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LIST of the FLOWERING PLANTS, FERNS,
CLUBMOSES, MOSSES and
LIVERWORTS
OF
MANITOBA

by
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INTRODUCTION

The first check-list of the Flora of Manitoba* was prepared by Canon W. A. Burman of St. John's College, Winnipeg, and published by the British Association for the Advancement of Science in the "Handbook to Winnipeg" for the Winnipeg meeting in 1909. This list contained a total of 702 species made up as follows:—29 Pteridophytes, 11 Gymnosperms, 171 Monocotyledons, and 491 Dicotyledons. In 1912, the provincial boundaries were extended northwards to latitude 60°, and north-eastwards to the shore of the Hudson Bay, adding to the province over 178,000 square miles of new territory with its almost unknown plant life. The second check-list was published in 1922 by the Natural History Society of Manitoba and contained 1,024 species. The increase was due in part to many sub-arctic and coastal species found in the newer part of the province but also to the activity of a number of collectors in the southern part. In 1924, Professor V. W. Jackson, who was largely responsible for the second list, produced a mimeographed check-list with 1,140 species. In the present list there are well over 1,400 species without those in the list of species which may be expected, but so far have not been recorded, as being within the Provincial boundaries.

In the first list, Burman briefly outlines four vegetation zones: (1) an eastern district from the shore of the Lake of the Woods to the Red River Valley and north along the east side of Lake Winnipeg; (2) a central district, which is the Red River Valley; (3) a north-western district, north of Winnipeg and west of Lake Winnipeg westwards to Saskatchewan. This area included Riding Mountain, Duck Mountain and Porcupine Mountain and all the wooded areas north of the prairie; (4) the south-western district, which is the prairie west of the Red River Valley, and included the Assiniboine Valley, Pembina Mountain and Turtle Mountain.

A recent study of the vegetation of the Province by Halliday† shows five large vegetation regions. These are (A) The Grassland Region, which is subdivided into three sections: (1) The Southwestern Plains; (2) The Red River Valley Prairie; and (3) The Prairie-Aspen-Grove Section. (B) The Great Lakes Forest Region. (C) The Boreal Forest Region with five sections: (1) The English River Section, (2) The Manitoba Lowlands Section; (3) The Mixed Woods Section; (4) The Nelson River Section; and (5) The Northern Coniferous Section. (D) The Forest-Tundra Transition. (E) The Tundra. A full account of these areas can be found in Halliday, or Ellis,‡ with maps.

Apart from the work of Halliday,§ there has been no extensive survey of the Flora since the time of John Macoun. Botanists from different departments at Ottawa and a number of private individuals have done considerable collecting and have greatly increased our knowledge of the distribution of species within the province, and have secured a number of new records. Among the collectors who have helped in this work are Dr. A. H. R. Buller,

* Macoun, J., 1882 in "Manitoba and the Great North West," lists many of the plants found in his explorations through that territory but only a few are definitely stated as being found in Manitoba.

† "A Forest Classification for Canada" W. E. Halliday, Forest Series, Bulletin No. 89, Ottawa, 1937.

‡ "The Soils of Manitoba," J. H. Ellis, Province of Manitoba, 1938.

§ "Report on the Vegetation and Site Studies, Clear Lake, Riding Mtn. National Park," Research Note No. 12, Forest Service, Ottawa.

F.R.S., Dr. M. G. Dudley, Mr. Henry Marshall, Mrs. E. J. McMillan, Mr. Hector Macdonald, Rev. G. DeRuyck, Mrs. A. Simpson, and Mrs. D. B. Sparling.

Rydberg's "Flora of the Prairies and Plains of Central North America" is followed in naming most of the plants. For the grasses, Hitchcock's Manual of Grasses of the United States was used. In the Genus *Carex*, Mackenzie's names as in the North American Flora, Vol. 18, are used, and for many of the species of *Potamogeton*, the names used by Fernald in "The Linear-leaved North American Species of *Potamogeton*, Section *Axillares*," are used here. Species not in the above literature can be found in one or more of the following: Rydberg's "Flora of the Rocky Mountains and Adjacent Plains," Britton and Brown's "Illustrated Flora of the Northern United States and Canada," and Gray's "New Manual of Botany," which is particularly useful only east of Lake Winnipeg and the Red River.

The families are arranged in systematic order as found in Rydberg's Flora, but the genera and species are arranged alphabetically for convenience in finding them. Where the name used by Rydberg is not so well known as an older name, the older name follows in parenthesis. Common names are those most used in Manitoba. Many plants found within the Province are not known by any local name. For these the common names given in Britton and Brown's Flora are used. There are a few plants for which no common name could be found.

Following the common name the author has given the habitat for plant. The frequency of occurrence is indicated by the terms: abundant, common, frequent, occasional, or rare. For some plants there is not sufficient information to judge the frequency and so it is omitted.

There are some plants in the list which so far have not been collected, or recorded, for the herbaria of the University of Manitoba, or the Manitoba Museum Association. These are indicated by either "Rydb." or "B. & B." after the habitat, which means that they are recorded in Rydberg's Flora, or Britton & Brown's Flora, as being found in Manitoba.

For many species, the localities or districts where the plants have been collected, are given. For other plants, larger areas are used to denote their distribution. These are: 1, "Eastern area" which covers the territory east of Lake Winnipeg and the Red River; 2, "South-eastern area" which is south of the Winnipeg River and east of the Red River Valley; 3, "South-eastern corner" which is the Sandilands Forest Reserve and the adjoining land east and south to the borders; 4, "Western area" which is roughly west of Brandon and south of Riding Mountain; 5, "South-western corner" this is south of Virden and west of Killarney, excluding Turtle Mountain; 6, "Southern Manitoba" which is more or less limited to the prairie and woodlands south of the Assiniboine River. G.W.W.D. is the Greater Winnipeg Water District, a portion of the south-eastern area.

In March of 1927, the late Norman Criddle published in the "Canadian Field Naturalist," Vol. XLI, "A Calendar of Flowers." In this he listed over 400 species found within a ten mile radius of his home, at Aweme, and gave the average date of the appearance of the first flower, the earliest and latest date of the opening of the first flower, and also the time taken to ripen the

seeds. Many of these records had been made over a period up to twenty-one years. His observations of four years or more have been added to this list.

Example: the last line after *Pulsatilla ludoviciana* reads

(21) Ap. 13; Mch. 23 '10; Ap. 28 '23; 45.

This means number of years of observation is 21, the average date of first flowering is April 13th, the earliest date of the first flower is March 23, 1910, the latest date for the first flower is April 28, 1923, and the number of days to ripen the seed is 45.

The Natural History Society of Manitoba, the Museum Association of Manitoba, and the author will welcome information concerning errors or omissions, particularly if accompanied by specimens with date, place of collection, and collector's name.

The Vegetation Map, inside rear cover, is taken from "The Soils of Manitoba" by Professor J. H. Ellis. The author is indebted to the Provincial Government for the use of the cut of the map.



The Prairie Anemone, *Pulsatilla ludoviciana*, floral emblem of Manitoba.

LIST of the FLOWERING PLANTS, FERNS, CLUBMOSES, MOSSES and LIVERWORTS OF MANITOBA

PTERIDOPHYTA

OPHIOGLOSSACEAE. Adder's Tongue Family.

- Botrychium Lunaria** (L.) Sw. Moonwort.
Moist woods. Rare. Riding Mt. Nat. Pk., St. Claude.
- obliquum** Muhl.
Recorded in earlier check lists and may have been confused with the next species. No recent record.
- silaifolium** Presl. Thick-leaved Grape Fern.
Moist woods. Rare. Arrow R., Selkirk, Griswold and Grand Rapids.
- virginianum** (L.) Sw. Virginian Grape Fern.
Woods. Frequent. Red R. Valley, Eastern Man., Riding Mt. Nat. Pk.

OSMUNDACEAE. Royal Fern Family.

- Osmunda cinnamomea** L. Cinnamon Fern.
May be in eastern Manitoba. Listed in Burman's List, but the specimens in the Burman collection are from Saulte Ste. Marie, Ont.
- Claytoniana** L. Clayton's Fern.
In wet woods. About a dozen plants have been seen at Victoria Beach. (Only two plants could be found in the summer of 1943.) Probably in other woods around L. Winnipeg. Also at Caddy Lake.
- regalis** L. Royal Fern.
Moist Woods. Muskeg Isl. in L. Winnipeg.

POLYPODIACEAE. Fern Family.

- Asplenium Trichomanes** L. Maiden-hair Spleenwort.
On rocks. Eastern Manitoba.
- Athyrium angustum** (Willd.) Presl. Female Fern.
Moist woods. Common. Victoria Beach and eastwards to Ontario.

- Cryptogramma acrostichoides** R. Br. Rock Brake.
On rocks around the Northern part of L. Winnipeg and north-west.
- Dryopteris cristata** (L.) A. Gray. Crested Shield Fern.
Wet woods. Riding Mt. Nat. Pk.
- Filix-mas** (L.) Sw. Male Fern
Rocky woods. Frequent. Riding Mt. Nat. Pk., probably frequent in northern Manitoba.
- fragans** (L.) Schott. Fragrant Shield Fern.
On wet rocks. In an earlier list without locality.
- marginalis** (L.) Schott. Margin-fruited Shield Fern.
Rocky woods. In an earlier list without locality.
- Robertiana** (Hoffm.) A. Br.
In woods. Occasional. Eastern Manitoba.
- spinulosa** (O. F. Mull.) Kuntze. Spinulose Shield Fern.
Moist woods. Frequent. L. Brereton, Caddy L., Whiteshell Res., Riding Mt. Nat. Pk.
- Thelypteris** (L.) A. Gray. Marsh Shield Fern.
Wet woods and marshes. Occasional. Eastern Manitoba.
- Filix bulbifera** (L.) Underw. Bladder Fern.
Wet rocky woods. Rare. Eastern Manitoba.
- fragilis** (L.) Gilib. Brittle Fern.
Rocks and woods. Eastern and Northern Manitoba. Associated with (*Pellaea atropurpurea*) on Stony Mountain.
- Onoclea sensibilis** L. Sensitive Fern.
Wet woods of the east and north. L. Brereton, Caddy L., Falcon L., Victoria Beach, Waugh.
- Pellaea atropurpurea** Link. Cliff Brake.
On limestone cliffs. Very scarce. Stony Mountain. Only a few small plants survived the dry years and were living in 1939.
- Phegopteris Dryopteris** (L.) Fee. Oak Fern.
In moist woods around L. Winnipeg and east. Brereton, Flin Flon, Victoria Beach, Waugh.
- Phegopteris Robertiana** (Hoffm.) A. Br. Northern Oak Fern.
Woods. Rare. North-eastern Manitoba.
- Polypodium virginianum** L. (P. vulgare). Polypody.
On rocky banks Eastern Manitoba, Brereton, Caddy L., Flin Flon.
- Pteritis nodulosa** (Michx.) Nieuwland. (*Onoclea Struthiopteris*) Ostrich Fern.
Woods. The commonest fern in the Red R. Valley, Rossburn, Treherne, Swan Lake Reserve.
- Pteridium aquilinum** (L.) Kuhn. Brake Fern, Bracken.
Moist woods and moist sands, eastern Manitoba, Victoria each, Brereton, Sandlilands, Riding Mt. Nat. Pk., Aweme.
- Woodsia alpina** (Bolton) S. F. Gray. Alpine Woodsia.
On rocks, Norway House, Flin Flon.
- glabella** R. Br. Smooth Woodsia.
Moist rocks. Northern Manitoba.

- ilivensis** (L.) R. Br. Rusty Woodsia.
On rocks. Occasional. Eastern and Northern Manitoba, Flin Flon.
Waugh, Brereton.
- oregana** D.C. Eat. Mountain Woodsia.
On rocks. In a previous list without locality.

EQUISETACEAE. Horsetail Family.

- Equisetum arvense** L. Common Horsetail.
Common, particularly in sandy soils, along railroad tracks and on dry prairie.
- affine** Engelm. (E. hymale of Am. authors). Common Scouring Rush.
Wet places throughout most of southern Manitoba.
- fluviatile** L. (E. limosum) Swamp Horsetail.
Swamps and shallow water. Frequent around eastern lakes and north to Warren Landing, Aweme.
- intermedium** (A. A. Eaton) Rydb. Loose-sheathed Horsetail.
Moist sandy prairie. In an earlier check-list without locality. No recent record.
- laevigatum** A. Br. Smooth Horsetail.
Along streams. Occasional. Sandilands and eastern area.
- palustre** L. Marsh Horsetail.
Wet places. Frequent and scattered throughout the province.
- pratense** Ehrh. Meadow Horsetail.
Sandy soil. Frequent. Richer, Riding Mt. Nat. Pk., Sandilands, Victoria Beach.
- scirpoides** Michx. Sedge-like Horsetail.
Wet woods. Common. Flin Flon, Riding Mt. Nat. Pk., Lake Manitoba, Lake Winnipeg, Pine Ridge.
- sylvaticum** L. Wood Horsetail.
Moist woods. Common. Throughout Manitoba.
- variegatum** Schleich. Variegated Horsetail.
Wet places. Occasional. Morden and eastern area.

ISOETACEAE. Quilwort Family.

- Isoetes Braunii** Drieu. Papillate-spored Quilwort.
In shallow water of cool lakes. Occasional. Caddy L., L. of the Woods.

LYCOPODIACEAE. Clubmoss Family.

- Lycopodium annotinum** L. Stiff Club-Moss.
Dry woods. Common. Eastern area and Riding Mt. Nat. Pk.
- clavatum** L. Running Club-Moss.
Woods. Common. Eastern area and Flin Flon.
- complanatum** L. Trailing Club-Moss.
Woods. Common. Eastern area, Flin Flon, Riding Mt. Nat. Pk. and Swan Lake.
- lucidulum** Michx. Shiny Club-Moss.
Moist woods. Occasional. Riding Mt. Nat. Pk., Victoria Beach, and Kenora, Ont.

- obscurum** L. Ground Pine.
Woods. Occasional. Arborg, Fisher R. Res., Flin Flon.

SELAGINELLACEAE. Little Club-Moss Family.

- Selaginella apus** (L.) Spring. Creeping Little Club-Moss.
Shaded places. Reported in earlier lists from the north-west.
—**densa** Rydb. Prairie Little Club-Moss, Prairie Selaginella.
Dry and sandy prairie. Frequent in the south-west.
—**rupestris** (L.) Spring. Rock Selaginella.
Rocky situations. Common. Eastern area and Flin Flon.

SPERMATOPHYTA Seed Plants

GYMNOSPERMAE

PINACEAE. Pine Family.

- Abies balsamea** (L.) Mill. Balsam Fir.
Common in eastern and northern woods including Riding Mt. Nat. Pk.
Larix laricina (Du Roi) Koch. Larch, Tamarack.
In most swampy regions north and east, also Aweme and Riding Mt. Nat. Pk.
Picea glauca (Moench) Voss. White Spruce.
Common in the drier areas north and east. Also common in the Carberry-Shilo sand-hill region (Spruce Woods Res.) and Riding Mt. Nat. Pk.
(9) My. 21; My. 11 '26; My. 24 '12; 90.
—**Mariana** (Mill.) B.S.P. Black Spruce.
In the same districts as the preceding species but in the wetter situations. Common.
Pinus Banksiana Lamb. Jack Pine.
In sandy soils east and north including Riding Mt. Nat. Pk. Common.
—**resinosa** Ait. Red Pine, Norway Pine.
East of Red R. and south of the Winnipeg R., Sandilands, not abundant.
Strobilus Weymouthiana Opiz. (Pinus Strobilus) White Pine.
In Sandilands Forest Res., and east and south to the boundaries.

JUNIPERACEAE. Juniper Family.

- Juniperus communis** L.v. **depressa** Pursh. Low Juniper.
In dry sandy areas. Not common. Virden, Lauder, Aweme.
—**sibirica** Burgsd. (Juniperus communis montana) Common Juniper.
Common on sandy prairie and rocky places, east and north. Riding Mt. Nat. Pk., Aweme, Shilo, Flin Flon, Lauder, Virden.
Sabina horizontalis (Moench) Rydb. (Juniperus horizontalis) Creeping Juniper, Ground Cedar.
Frequent on exposed sand hills on the prairie and exposed rocky sites east and north.

(18) Ap. 24; Ap. 9 '18; My. 24 '07; 131.

- Sabina virginiana** (L.) Antoine.
Hillsides. Rydb.

Thuja occidentalis L. White Cedar.
Moist woods. Occasional. Eastern Manitoba, Victoria Beach, Waugh.

TAXACEAE. Yew Family.

Taxus canadensis Marsh. Yew.
Woods near Ontario boundary, s. e. Manitoba. Rare.

ANGIOSPERMAE

Monocotyledons

TYPHACEAE. Cat-tail Family.

Typha latifolia L. Cat-Tail.
Common in most wet places throughout Manitoba.

SPARGANIACEAE. Bur-reed Family.

Sparganium angrocladium (Engelm.) Morong. Branching Bur-reed.
Shallow water. Cumberland House.

—**eurycarpum** Engelm. Broad-fruited Bur-reed.
Common in swamps, lakes, and streams throughout Manitoba.

—**hyperboreum** Laest. Northern Bur-reed.
In shallow water of northern and eastern lakes and streams. Falcon Bay, Waugh.

—**minimum** Fries. Small Bur-reed.
In shallow water. Porcupine Mt. Reserve.

—**simplex** Huds. Simple-stemmed Bur-reed.
In marshes and shallow water. Nelson R., Steep Rock.

ZANNICHELLIACEAE. Pondweed Family.

Potamogeton alpinus Balbis. Alpine Pondweed.
In northern streams and ponds. Rare. Nelson River.

—**amplifolius** Tuckerm. Large-leaved Pondweed.
Lakes, prairie streams and ponds. Frequent. Lakes Brereton, Manitoba and Winnipeg.

—**compressus** L. Eel Grass.
Prairie streams and lakes. Common. Netley, Delta, Steep Rock, Mafeking, Victoria Beach. Probably all records of this species in Manitoba should be (*P. zosterifolius*) Fern.

—**epihydrus** Raf. Nuttall's Pondweed.
Ponds and streams. Occasional. L. Brereton.

—**epihydrus** v. **Nuttallii** (Chamisso & Schlench.) Fern.
Collected at the mouth of the Red R. by Richardson in 1827.

—**foliosus** Raf. v. **genuinus** Fern. Leafy Pondweed.
Ponds and streams. Common. Assiniboine R., L. Killarney, Pembina Creek, Rapid City, and Little Saskatchewan R.

—**Friesii** Rupr. Fries Pondweed.
Still water. Collected by Drummond early last century. York Factory.

- heterophyllus** Schreb. (*P. gramineus*). Various-leaved Pondweed.
Lakes, ponds and slow streams. Common. L. Brereton, Inwood, L. Winnipeg, Waugh.
- interior** Rydb. Inland Pondweed.
Prairie ponds, particularly alkaline ponds. Common. Sturgeon Creek, Whitemouth R., L. Winnipeg, Nelson R.
- interruptus** Kitaibel. Interrupted Pondweed.
Ponds and streams. Rare. Waugh.
- natans** L. Floating Pondweed.
Lakes and streams. Occasional. Whitemouth R.
- panormitanus** Biv. v. **major** G. Fischer. Small Pondweed.
Recorded in Fernald from Hamiota.
- panormitanus** v. **minor** Biv. Recorded in Fernald, from York Factory and Little Saskatchewan R.
- pectinatus** L. Fennel-leaved Pondweed. "Sago" of duck hunters.
Lakes and streams. Probably the commonest species of this genus in Manitoba, present in nearly every creek, pond and lake.
- praelongus** Wulfen. White-stemmed Pondweed.
Ponds and streams. Reported from near Mafeking but likely in other areas. Seems to prefer deep water.
- pusillus** L. Small Pondweed.
Probably present in many prairie pools but only recorded from Steep Rock.
- Richardsonii** Rydb. (*P. perfoliatus*). Richardson's Pondweed.
Ponds and streams. Common in the eastern lakes, Lakes Winnipeg, and Manitoba, Saskatchewan R. and many rivers and streams.
- rutilus** Wolfgang. Slender Pondweed.
Ponds. Recorded in Man. and Sask. by Rydberg. According to Fernald this species is not found in North America. Specimens resembling this species should be carefully checked by their fruits.
- zosterifolius** Fernald, (see *P. compressus*). Fernald reports this species in the collections of Drummond (Hudson Bay) Richardson (Cumberland House) and Macoun (L. Manitoba).
- Ruppia maritima** L. var. **longipes** Hagstrom. (*R. occidentalis*).
Western Ditch-grass.
Alkaline ponds. Occasional. St. Ambrose, Rock Lake and in a small lake north of Virden. The Virden material was submitted to Professor C. O. Rosendahl, Minnesota, for specific determination.
- Zannichellia palustris** L. Horned Pondweed.
Lakes and streams. Probably common. Souris R., L. Manitoba, Moose Mt. Creek.

NAJADACEAE. *Najas* Family.

- Najas flexilis** (Willd.) Rostk. & Schmidt. Bushy Pondweed.
Shallow lakes and slow streams. In a number of lagoons on L. Winnipeg, between the Red R. and Victoria Beach.

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ZOSTERACEAE. Eel-Grass Family.

- Zostera marina** L. Eel-grass.
In bays and quiet water along the shore of the Hudson Bay and the mouth of the Churchill R.

SCHEUCHZERIAACEAE. Arrow-Grass Family.

- Triglochin maritima** L. Sea-side Arrow-grass.
Wet alkaline soils. Occasional. Inwood, Gimli, Middlechurch, old Souris channel near Melita.
- palustris** L. Marsh Arrow-grass.
Bogs and wet grassland. Frequent. Griswold, Grand Beach, Oak Point, Victoria Beach, Stony Mt., Waugh.
- Scheuchzeria palustris** L. Scheuchzeria.
Bogs. Occasional. Hudson Bay area.

ALISMACEAE. Water Plantain Family.

- Alisma brevipes** Greene. Western Water Plantain.
Sloughs and slow streams. Frequent.
- Geyeri** Torr. Gayer's Water Plantain.
Sloughs and streams. Apparently not so frequent as the preceding species. Mouth of Red R., Rossburn.
- subcordatum** Raf. Common Water Plantain.
In ponds, streams, ditches, etc., throughout Manitoba.
- Sagittaria cuneata** Sheldon. Arum-leaved Arrow-head.
In mud or water. Common in the Red R. and likely many other localities.
- latifolia** Willd. Broad-leaved Arrow-leaf.
Shallow water. Common throughout Manitoba.
- latifolia** f. **gracilis** (Pursh) Robinson. Victoria Beach.
- rigida** Pursh. Sessile-fruited Arrow-leaf.
Shallow water. Rare. Waugh.
- Engelmanniana** J. G. Smith. Engelmann's Arrow-leaf.
Shallow water. Reported from eastern area and Mafeking. Occurrence doubtful. These plants are probably *S. latifolia* f. *gracilis* which is very similar.

ELODEACEAE. Water-weed Family.

- Anacharis canadensis** (Michx.) Planchon. (Elodea) Canadian Pondweed.
In quiet bays of the lakes and in ponds and streams in many parts of Manitoba.
- Vallisneria americana** (Michx.) Tape Grass, Water Celery.
In quiet lakes of south eastern boundary region. Abundant in Indian Bay, Waugh, also recorded from Steep Rock.

POACEAE. Grass Family.

- Agropyron cristatum** (L.) Beauv. Crested Wheat-grass.
Introduced for hay and pasture in the drier parts of the prairie and has become naturalized.

- dasystachyum** (Hook.) Schribn. Northern Wheat-grass.
Plains and sandy shores. Not uncommon in northern Man. and around the Hudson Bay.
- repens** (L.) Beauv. Couch-grass, Quack-grass.
Waste places, meadows, etc. A very persistent weed throughout southern Manitoba.
- Smithii** Rydb. Western Couch-grass, Blue Couch-grass.
Sandy and gravelly soil. Common. Victoria Beach, Winnipeg, and south-western prairie.
- pauciflorum** (Schwein.) Hitchc. Slender Wheat-grass.
Dry soil. Fairly common. Belmont, Killarney, Lyleton, Morden, Riding Mt. Nat. Pk., Turtle Mt., Zant.
- subsecundum** (Link.) Hitchc. (A. Richardsoni). Bearded Wheat-grass.
Moist prairie and open woods. Common around Winnipeg and most of southern Man.
- Agrostis alba** L. Red Top
Moist grassland. Common. Assiniboine and Red River valleys and most of southern Man.
- borealis** Hartm. Arctic Redtop.
Rocky slopes and moist banks of the north. Rare. Hudson Bay and Eskimo Point N.W.T.
- exarata** Trin. Spike Redtop
Dry open prairie and hills. Frequent. South-western area.
- hiemalis** (Walt.) B.S.P. Rough Hair-grass.
Moist open prairie and moist sand. Common. Southern Man.
- palustris** Huds. Creeping Bent.
Introduced for lawns and has escaped in a few places.
- Alopecurus aequalis** Sobol. Short-awn Foxtail.
Common in wet grasslands of southern Manitoba.
- pratensis** L. Meadow Foxtail.
Introduced as a meadow grass and escaped to moist grasslands. Common around Winnipeg.
- geniculatus** L. Water Foxtail.
In shallow water and wet prairie. Common around south end of Lake Winnipeg, also at L. Killarney, L. Brereton.
- Andropogon furcatus** Muhl. Tall Blue-stem.
Common in moist open places in southern Manitoba from Sandilands to Lyleton.
- scoparius** Michx. Little Blue-stem.
Not uncommon but in drier situations than the preceding species, particularly in sandy regions.
- Arctagrostis latifolia** (R. Br.) Griseb. Arctic Agrostis.
Around the Hudson Bay region.
- Aristida basiramea** Engelm. Triple Awned Grass.
Dry sandy soil. Rare. Southern boundary.
- Avena fatua** L. Wild Oat.
A common weed on cultivated fields.

- Avena Hookeri** Scribn. Hooker's Oat-grass.
Hills and dry prairie. Collected only from Rosser but may be very wide-spread.
- Beckmannia Syzigachne** (Steud.) Fern. (B. erucaeformis). Slough Grass.
Sloughs, ditches, bank of streams. Common.
- Bouteloua curtipendula** (Michx.) Torr. Side-oats Gramma.
Prairie and rocky hills. Not common Glenboro and Carberry sand hills, Pine Ridge, Stony Mt.
- gracilis** (H.B.K.) Lag. Blue Gramma, Buffalo Grass.
Hills and dry prairie. Common. Birds Hill, Stony Mt., and western prairie.
- Bromus anomalus** Rupt. Nodding Brome.
Around woods and open prairie. Fairly common.
- breviaristatus** Buckl. Short-awned Brome.
Hills and dry prairie. Porcupine Mt. and probably other places in western Manitoba.
- ciliatus** L. Fringed Brome.
Common in and around woods in southern Manitoba.
- inermis** Leyss. Awnless Brome.
Introduced as a hay grass and now common throughout southern Man.
- Kalmii** A. Gray. Kalm's Brome.
Sandy areas and open woods. Occasional. Western area.
- latiglumis** (Shear) Hitchc. Broad-glumed Brome.
In woods around Winnipeg.
- Pumpellianus** Scribn. Northern Awnless Brome.
Common in the western prairie region. Bede, Fort Ellice, Turtle Mt., Melita, Virden.
- purgans** L. Canda Brome.
In moist woods. Common in woods fringing Red R., also in Riding Mt. Nat. Pk., and Rosburn. Probably plentiful in other localities.
- Calamagrostis canadensis** (Michx.) Beauv. Blue-joint.
Common in wet grassland.
- canadensis** v. **Macouniana** (Vasey) Stebbins.
In some drier situations and not so frequent as the species. Spikelets smaller. Rosburn.
- canadensis** var. **scabra** (Presl.) Hitchc.
Recorded in an earlier check-list as C. Langsdorffii without locality.
- inexpansa** A. Gray. Northern Reed-grass.
In marshes and alkaline areas. Occasional. Lyleton, Zant.
- montanesis** Schribn. Plains Reed-grass.
Dry open prairie. Recorded from Lyleton and probably common on the dry and sandy soils of the S.W.
- neglecta** (Ehrh.) Geart, Mey. & Schreb. Narrow Reed-grass.
Marshes and wet sand. Northern Man. and Eskimo Pt., N.W.T.
- rubescens** Pine Grass.
Open pine woods and prairie. Rare. Southern Manitoba.

- Calamovilfa longifolia** (Hook.) Schibn. Long-leaved Reed-grass.
In sand hills, a good sand binder. Common. Boisevain, Aweme, Lyleton, Glenboro.
- Catabrosa aquatica** (L.) Beauv. Brook-grass.
In streams and wet places of the north. York Factory and Hudson Bay area.
- Cinna latifolia** (Trev.) Griseb. Slender Woodgrass.
In moist woods. Frequent. Northern and eastern Manitoba, Winnipeg R. region.
- Dactylis glomerata** L. Orchard grass
Common weed in cultivated fields and gardens.
- Danthonia intermedia** Vasey. Wild Oat-grass
Bogs and moist prairie. Recorded from the Red R. valley. Not common.
- spicata** (L.) Beauv. Poverty Oat-grass.
Dry and rocky soil. Frequent on western prairie, also found at Victoria Beach and Norway House.
- Deschampsia atropurpurea** (Wahl.) Scheele. Mountain Hair-grass.
In moist places, northern Manitoba to Eskimo Pt. N.W.T.
- caespitosa** (L.) Beauv. Tufted Hair-grass
Bogs, wet grassland. South-west Manitoba and north end of Lake Winnipeg.
- caespitosa** (L.) Beauv. var **glauca**.
Eskimo Pt. N.W.T.
- Distichlis spicata** (L.) Greene. Alkali-grass.
Moist alkaline soil, frequently in hard-packed ruts. Common around many half dried sloughs and prairie ponds.
- stricta** (Torr.) Rydb. Desert Salt-grass.
Saline and alkaline prairie, in areas with greater concentration of salts than the preceding species. Lyleton, Old Souris channel s.e. of Melita.
- Echinochloa Crus-Galli** (L.) Beauv. Barnyard-grass.
Common weed in farm yards and gardens.
- Elymus canadensis** L. Nodding Rye-grass.
River banks and moist open grassland and around woods. Common in southern Manitoba.
- innovatus** Beal. Hairy Wild Rye.
In open woods. Not frequent in southern Manitoba, more frequent northwards. Riding Mt. Nat. Pk., and surrounding territory.
- Macounii** Vasey. Macoun's Tufted Rye-grass.
Moist prairie. Less frequent than *E. canadensis* but wide-spread in the west.
- mollis** Trin. American Dune-grass.
Coastal sand-dunes. Churchill.
- virginicus** L. Virginian Wild Rye.
In moist woods and along streams. Common in southern Manitoba and north to Flin Flon.

- virginicus** var. **submuticus** Hook. (*E. curvatus*)
Short-awned Virginian Wild Rye.
In woods along Red R. banks. Occasional.
- Eragrostis hypnoides** (Lam.) B.S.P. Creeping Love Grass.
Sandy river banks of Red R. and Assiniboine R., Riding Mt. Nat. Pk.
Frequent.
- Festuca elatior** L. Meadow Fescue.
Introduced as a meadow grass and escaped to roadsides in Red R. valley.
- ovina** L. Sheep's Fescue.
Open woods, stony and rocky slopes. Probably quite common. Birds
Hill, Carberry, Pipestone, Stony Mt., Victoria Beach.
- ovina** var. **brachyphylla** (Schult.) Piper. Alpine Fescue.
Rocky slopes and northern latitudes. Churchill.
- ovina** var. **duriuscula** (L.) Koch. Hard Fescue.
Recorded from the Hudson Bay and also around Kenora, Ont.
- rubra** L. Red Fescue.
In moist hilly situations. Not as common as *F. ovina*. Emerson, Stony
Mt., Riding Mt. Nat. Pk.
- saximontana** Rydb. Mountain Fescue.
(Same as *F. ovina*, see Hitchcock.)
- scabrella** Torr. Rough Fescue.
Open woods and prairie. Brandon and west to Sask.
- Fluminia festucacea** (Willd.) Hitchc. Spangle Top.
In shallow water. Frequent. Souris R., Pembina R., ditch at Jordan.
- Glyceria fluitans** (L.) R. Br. Floating Manna-grass.
In shallow water, mostly east of Red R. and L. Winnipeg, north to
Nelson R., also Sturgeon Creek and Assiniboine R. near Winnipeg.
- grandis** S. Wats. Tall Manna-grass.
Banks of rivers, marshes, etc., Red R., Assiniboine R., Winnipeg, Gimli,
Lyleton, Rossburn, Sandilands, Victoria Beach, Warren Landing.
- pallida** (Torr.) Trin. Pale Manna Grass.
In shallow water. Recorded in earlier list without locality. Probably
limited to south-eastern Manitoba.
- striata** (Lamb.) Hitchc. Fowl Manna Grass.
Moist and wet grassland. Rare. Flin Flon.
- Hierochloa alpina** (Swartz) Roem. Northern Sweet Grass.
Hills and rocky slopes. Northern Manitoba to Eskimo Pt.
- odorata** (L.) Beauv. Sweet Grass.
Bogs and moist grassland. Common in southern Manitoba.
- Hordeum jubatum** L. Wild Barley.
Common throughout Manitoba, particularly in alkaline soil.
- Koeleria cristata** Pers. June Grass.
Dry prairie. Common west of Red River to Sask., rare east of Red R.
- Leersia oryzoides** (L.) Sw. Rice Cut-grass.
Marshes and river banks. Only recorded from Sturgeon Creek W. of
Winnipeg, but probably in many places of the south-eastern area.

- Lolium temulentum** L. Darnell.
Introduced. Has been recorded from Dominion City and Winnipeg.
Not common.
- Milium effusum** L. Wild Millet.
Moist and rocky woods. Not common. Victoria Beach and east to Ontario.
- Muhlenbergia asperifolia** (Ness & May) Parodi. Scratch-grass.
Wet and alkaline grassland. Not common. West Kildonan.
- cuspidata** (Torr.) Rydb. Plains Muhly, or Muhlenbergia.
Prairie. Fairly frequent. Glenboro, St. Norbert, Winnipeg, Stony Mt. and west to Sask.
- depauperata** Scribn.
A southern species recorded in earlier lists. Occurrence doubtful.
- mexicana** (L.) Trin. Wire-stemmed Muhly.
Around thickets and low ground. Not certain if in Manitoba. Reported from Fort Garry and Dauphin, but the Dauphin specimen is *M. racemosa*. *M. mexicana* is found in Minnesota and North Dakota; and may be in southern Manitoba.
- racemosa** (Michx.) B.S.P. Marsh Muhly.
Open woods and moist grassland. Common throughout southern Manitoba.
- squarrosa** (Trin.) Rydb. Mat Muhly.
Dry or moist open prairie and alkaline soil. Lyleton.
- sylvatica** Torr. Wood Muhly.
Recorded in previous lists. Very like *M. racemosa*. Early records may be mistaken identification.
- Oryzopsis asperifolia** Michx. White-grained Mountain Rice.
In woods and bluffs. Common throughout southern Manitoba, north to Flin Flon.
- canadensis** (Poir) Trin. Canada Rice Grass.
Woods. Rare and apparently limited to south-eastern Manitoba.
- hymenoides** (R. & S.) Riker. Indian Rice.
Dry hills. Rare. Glenboro sand hills.
- pungens** (Torr.) Hitchc. Slender Mountain Rice.
Sandy and rocky soil. Not common. Gypsumville.
- Panicum capillare** L. Witch-grass.
Weed in cultivated fields and gardens. Common.
- capillare** v. **occidentalis** Rydb. (*P. barbipulvinatum*). Western Witch-grass.
Mixed with the species, more common in western regions.
- Leibergii** (Vasey) Scribn. Leiberg's Panic-grass.
Dry prairie. Rare. South central Manitoba.
- perlongum** Nash. Long-stalked Panic-grass.
Dry prairie. Recorded for this province in B. & B. and Rydb. Probably of rare occurrence in the south.
- Scribnerianum** Nash. Scribner's Panic-grass.
Sandy soils and dry prairie. Rare. Aweme.

- virgatum** L. Switch-grass.
Open woods. Prairie and alkaline soil. Common.
- Wilcoxianum** Vasey. Wilcox's Panic-grass.
Dry soil. B. & B., and Rydb. Probably occasional in southern Man.
- xanthophysum** A. Gray. Yellow-green Witch-grass, Slender Panic-Grass.
Dry sandy or gravelly soil. Winnipeg.
- Phalaris arundinacea** L. Reed Canary Grass.
Moist grassland. Common. The variety **picta** is the Ribbon grass of gardens and occasionally escapes from cultivation.
- canariensis** L. Canary Grass.
An annual weed occasionally appearing in gardens and waste land.
- Phleum pratense** L. Timothy.
Introduced for hay and has spread more or less all over the settled parts of Manitoba.
- Phragmites communis** Trin. Tall Reed Grass, Cane Grass.
In marshes and borders of streams and lakes throughout Manitoba.
- Poa annua** L. Annual Blue Grass.
Appears occasionally in lawns and gardens of Winnipeg, also reported from Ochre River.
- arctica** R. Br. Arctic Blue Grass.
In moist grasslands of the north. Churchill, Man., and Eskimo Pt. N.W.T.
- arida** Vasey. Plains Blue Grass.
Dry and alkaline prairie. Not common. Lyleton.
- alpina** L. Alpine Blue Grass.
Cold meadows. Around parts of Lake Winnipegosis, Churchill.
- compressa** L. Canada Blue Grass.
Open woods and moist prairie. Frequent in Red R. valley, also Bede, Lyleton, Turtle Mt., Rossburn and The Pas.
- glauca** Vahl. Grey Meadow-grass.
On rocky slopes in the sub-arctic. Lake Winnipegosis to Eskimo Pt., N.W.T.
- interior** Rydb. Inland Blue-grass.
Open woods and moist grassland. Found occasionally around Winnipeg. much like *P. palustris* and may have been overlooked in other localities.
- laxa** Haenke. Wavy Meadow-grass.
Reported in earlier check list from Emerson.
- palustris** L. (*P. triflora*, *P. crocata*). Fowl Blue-Grass.
In moist grassland. Common all through southern Manitoba.
- pratensis** L. Kentucky Blue-Grass.
The common lawn grass. Introduced from Europe and now wild throughout the province.
- trivialis** L. Rough Blue-Grass.
Moist grassland. Riding Mt. Nat. Pk.
- Polypogon monspeliensis** (L.) Desf. Rabbit-foot Grass.
Ballast and waste ground. A recent introduction to Manitoba, found at Moosehorn in 1941.

- Puccinellia distans** (L.) Parl. Spreading Alkali Grass.
Moist and slightly alkaline soil. Rare. Kettle Rapids.
- Nuttalliana** (Schultes) Hitchc. Nuttall's Alkali Grass.
Moist and alkaline soils. Frequent. Carrol, Lyleton, Turtle Mt., Zant.
- pumila** (Vasey) Hitchc. Northern Alkali Grass.
Salt marshes. Along Hudson Bay coast.
- tenuiflora** (Griseb.) Scrib. & Merr. Slender Alkali Grass.
Alkali flats. Rare. North of Baldur.
- Schedonnardus paniculatus** (Nutt.) Trel. Tumble Grass.
Prairie. Frequent. Turtle Mt. and the south west.
- Schizachne purpurascens** (Torr.) Swallen (Avena Torreyi) Purple Oat Grass
Woods. Fairly frequent Teulon, Sandilands, Victoria Beach and Riding Mt. Nat. Pk.
- Setaria lutescens** (Weigel) F. T. Hubb. Yellow Fox-tail.
A weed on cultivated land. Frequent.
- viridis** (L.) Beauv. (Chaetochloa). Green Fox-tail.
Weed on cultivated land. Common.
- Sorghastrum nutans** (L.) Nash. Indian Grass.
Open woods and prairie. Souris R. plains, Beaver.
- Spartina cynosuroides** (L.) Roth. Big Cord-grass.
Alkaline marshes. Common. Red R. valley.
- gracilis** Trin. Alkali Cord-grass.
Alkaline prairie. Not uncommon in western Manitoba.
- pectinata** Bosc. (S. Michauxiana). Prairie Cord-grass, Well-digger's Grass.
Wet grassland. Throughout southern Manitoba. The most frequent of the genus.
- Sphenopholis intermedia** Rydb. Slender Wedge-Grass.
Moist and rocky woods. Occasionally found in the south-eastern area.
- obtusata** (Michx.) Scribn. Prairie Wedge-grass.
Open woods and prairie. Red R. valley west to Sask. but nowhere plentiful.
- pallens** (Spreng.) Scribn. Tall Wedge-grass.
Moist woods.
- Sporobolus cryptandrus** (Torr.) A. Gray. Sand Dropseed.
Open sandy places and common in such localities. Lyleton, Victoria Beach.
- heterolepis** A. Gray. Prairie Dropseed.
Prairie. Common. Aweme, Glenboro, and west to Sask.
- neglectus** Nash.
Dry prairie, sandy and slightly alkaline soils. Not common. Winnipeg, Baldur.
- Stipa comata** Trin. & Rup. Common Spear Grass.
Dry prairie, sandhills. Frequent. Aweme to Carberry and in the south-west.

- spartea** Trin. Porcupine Grass.
On dry prairie and in sandy regions east. Common. Victoria Beach,
Sandilands, Aweme to Sask. and Riding Mt. Nat. Pk.
- viridula** Trin. Green Spear Grass.
In locations not so dry as for the preceding species. Common in Red R.
valley and west to Sask.
- Trisetum spicatum** (L.) Richt. Spike Trisetum.
Rocky situations of the north. Churchill to Eskimo Pt.
- Zizania aquatica** L. Annual Wild Rice.
In shallow water, marshes and borders of lakes. Common east of the
Red R. and of L. Winnipeg, Sturgeon Creek.

CYPERACEAE. Sedge Family.

- Carex abbreviata** Prescott. See C. Torreyi Tuckerm.
- aenea** Fernald. Hay Sedge.
Open woods and dry prairie. In a previous list without locality.
- albolutescens** Schwein. Greenish White Sedge.
Lake shores and wet places. In a previous list without locality.
- aquatilis** Wahl. Water Sedge.
In swamps and along streams and lakes. Carberry, Assiniboine R.,
Red R., L. Winnipeg, L. Brereton, Swan R. and western Manitoba.
- aquatilis** var. **cuspidata**.
Eskimo Pt., N.W.T.
- assiniboinensis** W. Boott. Assiniboia Sedge.
Wet places. Bowsman R., Winnipeg.
- atherodes** Spreng. Awned Sedge.
Marshes, particularly borders of sloughs. Frequent. Dauphin, Vic-
toria Beach, Warren Landing, Waugh, Winnipeg.
- aurea** Nutt. Golden Sedge.
Moist to wet places. Fairly common in southern Manitoba including
Riding Mt. Nat. Pk.
- Backii** Boott (C. durifolia). Back's Sedge.
Dry woods. Winnipeg.
- Bebbii** Olney. Bebbs Sedge
Swampy meadows. Probably common. Waskada plains, Goodlands,
Victoria Beach.
- Bicknellii** Britton. Bicknell's Sedge.
Dry places. Brenda.
- bipartita** All.
Alpine and arctic situations. Churchill.
- brevior** (Dewey) Mackenzie. Fescue Sedge.
Dry and open places. Not common. Winnipeg and south-west.
- brunnescens** (Pers.) Poir. Brownish Sedge.
Open woods and wet places. A northern species and may be common.
Recorded only from Riding Mt. Nat. Pk.
- Buxbaumii** Wahl. Brown Sedge.
Swamps and wet meadows. In a previous check-list without locality.

This species is found all across Canada, and may have been overlooked here.

- canescens** L. Hoary Sedge.
Swamps and wet meadows. Rare. Gillam.
- capillaris** L. Hair-like Sedge.
Dry exposed places and shaded wet places. Recorded only from Bowsman R.
- capitata** L. Capitate Sedge.
In arctic or alpine situations. Northern Manitoba to Eskimo Pt., N.W.T.
- cephalophora** Muhl. Oval-headed Sedge.
Dry woods and prairie. In previous list without locality. Probably frequent in the south-west. Specimens in the University herbarium are from northern Minnesota.
- chordorrhiza** Ehrh. Prostrate-stemmed Sedge
Sphagnum bogs and borders of lakes. Eastern Manitoba, and in wet sand near Glenboro.
- colorata** Mackenzie. Purplish-tinged Sedge.
In woods. Portage-la-Prairie.
- communis** Bailey. Fibrous-rooted Sedge.
Dry woods and rocky places. Gimli, Cawdor.
- concinna** R. Br. Low Northern Sedge.
Dry situations. A northern species. In a previous list without locality.
- concolor** R. Br. Bigelow's Sedge.
Arctic, alpine situations. In previous check lists. May be frequent in the north.
- convoluta** Mackenzie. Convolute Sedge.
Dry woods. In a previous list, but locality not given.
- Crawei** Dewey. Craw's Sedge.
Moist grassland and limestone places. Bowsman R.
- Crawfordii** Fernald. Crawford's Sedge.
Open places. Recorded only from Grand Rapids.
- Deweyana** Schw. Dewey's Sedge.
Dry woods. Occasional around Winnipeg and Gimli. Likely frequent in the north.
- diandra** Schrank. Lesser Panicked Sedge.
Bogs and wet meadows. Not rare. Eastern boundary to west of Morden.
- disperma** Dewey. Soft-leaved Sedge.
Bogs and coniferous swamps. Eastern Manitoba and Riding Mt. Nat. Pk.
- Douglassii** Boott. Douglas' Sedge
Dry and sandy prairie. Ste. Rose and west to Sask.
- durifolia** Bailey. See C. Backii.
- eburnea** Boott. Bristle-leaved Sedge.
Dry sand and rocky soil. Not common. Glenboro, Gypsumville, Grand Rapids and Flin Flon.

- Eleocharis** Bailey. Involute-leaved Sedge.
Dry prairie. An early western species. Fairly common. Carberry,
Ethelbert, Ericksdale, Winnipeg.
- filifolia** Nutt. Thread-leaved Sedge.
Dry slopes. In the earlier check-lists without locality. Probably fre-
quent in suitable sites near the western boundary. Common in Sask.
- flava** L. Yellow Sedge
Wet meadows. Recorded only from near Carberry.
- Goodenowii** J. Gay. Goodenough's Sedge.
Cold wet ground. Northern Manitoba to Eskimo Pt. N.W.T.
- gracillima** Schw. Graceful Sedge.
Open woodland. Rare. Confined to the eastern boundary region.
- granularis** Muhl. Meadow Sedge.
Moist meadows. A southern species limited in Manitoba to the Minne-
sota border region.
- gynocrates** Wormskj. Northern Bog Sedge.
Sphagnum bogs. Frequent at Eskimo Pt. N.W.T. and likely plentiful in
northern Manitoba.
- Hassei** Bailey. Hasse's Sedge.
River banks. In an earlier check list without locality.
- Hallii** Olney. Perry's Sedge.
Wet grassland. Hudson Bay.
- heliophila** Mack. Sun-loving Sedge.
Prairie. Probably common but only noted at Ashern, Roseisle and
Morden.
- Hookeriana** Dewey. Hooker's Sedge.
Dry prairie. In an earlier list without locality.
- Houghtonii** Torr. Houghton's Sedge.
Rocky and sandy soil. Rare. Southern Manitoba.
- hystericina** Muhl. Porcupine Sedge.
Swamps and meadows. Aweme. Should be looked for in the north.
- incurva** Lightf. Curved Sedge.
Moraines and tundra. Northern Manitoba, along shore of Hudson Bay
to Eskimo Pt., also at Waugh.
- interior** Bailey. Inland Sedge.
Bogs. Probably common, but only recorded from a few places around
L. Winnipeg.
- intumescens** Rudge. Bladder Sedge.
Wet woods and along streams. May be fairly plentiful in eastern Man-
itoba. Also found in Sturgeon Creek just west of Winnipeg.
- lacustris** Willd. Lake-bank Sedge.
Bogs and lake margins. In earlier check-lists without record of locality.
May be plentiful east and north.
- languinosa** Michx. Wooly Sedge.
Swamps, borders of sloughs. Frequent at Victoria Beach, Lyleton and
in the Souris Valley. May be all across southern Manitoba.

- lasiocarpa** Ehrb. Slender Sedge.
Sphagnum Bogs. Not infrequent between L. Brereton, Man., and Kenora, Ont.
- leptalea** Wahl. Bristle-stalked Sedge.
Bogs, wet meadows and woods. Only listed from near Brandon but probably present in quantity both east and west.
- livida** (Wahl.) Willd. v. **Grayana** (Dewey) Fernald. Livid Sedge.
Cold bogs. Northern Manitoba to Eskimo Pt.
- maritima** O. F. Mull. Sea-side Sedge.
Salt meadows. Rare. Hudson Bay.
- Meadii** Dewey. Mead's Sedge.
Prairie. In earlier lists without locality.
- miliaris** Michx. North-eastern Sedge.
Borders of lakes and streams. Northern Manitoba to Eskimo Pt.
- muskingumensis** Schwein. Muskingum Sedge.
Moist woods. Recorded in B. & B. as being found in this province. Probably limited to the International Border region.
- normalis** Mack. Larger Straw Sedge.
Woods. Recorded only from Norway House.
- norvegica** Willd. Norway Sedge.
Brackish soil. Coast of Hudson Bay.
- obtusata** Lilj. Blunt Sedge.
Dry prairie. Frequent from Melita west to Sask.
- oligosperma** Michx. Few-seeded Sedge.
Wet meadows. Occasional in Northern Manitoba.
- Parryana** Dewey. Parry's Sedge.
Bogs and moist plains. A north-western species, may be frequent along the northern part of the Sask. boundary.
- paupercula** Michx. Bog Sedge.
Sphagnum bogs. Recorded only from the Swan River district but may be expected in any of the northern and eastern bogs.
- pedunculata** Muhl. Long-stalked Sedge.
Woods. Not common. Recorded only from Swan River and Churchill.
- pennsylvanica** Lam. Pennsylvania Sedge.
Prairie. Common in the Red R. Valley. Also found at Flin Flon and Riding Mt. Nat. Pk.
- plantaginea** Lam. Plantain-leaved Sedge.
Dry woods. Occasional in the south-eastern part of Manitoba. This species has the largest leaf in the genus as found in Manitoba.
- praegracilis** W. Boott. (C. camporum). Clustered Field Sedge.
Moist prairie and swamps. Frequent. Fork River, Plumas, Lyleton, Dauphin, Winnipeg and Victoria Beach.
- praticola** Rydb. Northern Meadow Sedge.
Open woods and moist prairie. Common.
- pseudo-Cyperus** L. Cyperus-like Sedge.
Bogs. Not plentiful. In previous lists but without locality.

- rariflora** (Walsh.) Smith. Loose-flowered Alpine Sedge.
Cold Bogs. May be frequent in Northern Manitoba. Common at Eskimo Point, N.W.T. Rydb.
- retrorsa** Schwein. Retrorse Sedge.
Wet prairie swamps and around lakes. Not uncommon in eastern Manitoba and north to Warren Landing. Also at Fisher R. Indian Res.
- Richardsonii** R. Br. Richardson's Sedge.
Dry soil. Not common in the south, may be more frequent in the north. Gypsumville, Bowsman.
- rosea** Schk. Stellate Sedge.
Dry woodland. Frequent at Victoria Beach, Waugh and Winnipeg and occasional at Riding Mt. Nat. Pk.
- Rossii** Boott. Ross's Sedge.
Dry prairie and shaded banks. Occasional in eastern Manitoba, more frequent further west.
- rostrata** Stokes. Beaked Sedge.
Bogs and swamps. Common around L. Winnipeg. Also at Zant, Rossburn, Lyleton. Probably all through Manitoba.
- saltuensis** Bailey. (C. vaginata). Sheathed Sedge.
Boggy shaded woods. Rare. S. of Winnipeg.
- Sartwellii** Dewey. Sartwell's Sedge.
Bogs and sloughs. Fairly common around L. Winnipeg, McMunn, Ochre R. and Winnipeg.
- saxatilis** L. Russet Sedge.
A northern species recorded from Eskimo Pt. N.W.T. and may be in northern Manitoba around Churchill.
- scirpoidea** Michx. Scirpus-like Sedge.
Dry situations in the north. Bowsman R.
- scoparia** Schk. Pointed Broom Sedge.
Moist places. Rare. South-western Manitoba.
- siccata** Dewey. Dry-spiked Sedge.
Dry prairie. Common. Victoria Beach and from the Carberry sand hills west to Sask.
- Sprengelii** Dewey. Sprengel's Sedge.
Open woods and rocky banks. Probably frequent but overlooked. In an earlier list but no record of locality.
- stipata** Muhl. Awl-fruited Sedge.
Swamps and ditches. Apparently rare, only recorded from a ditch s. of Winnipeg.
- stricta** Lam. Tussock Sedge.
Swamps. Rare. Northern Manitoba to Eskimo Pt. N.W.T.
- supina** Wahl. Weak Arctic Sedge.
Dry places and gravel. Rare. W. of Miami, Bowsman. Collected by Dr. Richardson, at Bear Lake, Man., in 1827.
- synchocephala** Carey. Dense Long-beaked Sedge.
Meadows and margins of ponds. In an earlier list without locality. Probably present in most wet areas of southern Manitoba.

- tenera** Dewey. (*C. straminea*) Straw Sedge.
Dry woods. Common. Aweme, Brenda, Rossburn, Victoria Beach,
Waugh and Winnipeg.
- tenuiflora** Wahl. Sparse Flowered Sedge.
Sphagnum bogs. Not common. In an earlier list without locality.
May be limited to northern and eastern Manitoba.
- tetanica** Schk. Wood's Sedge.
Woods and wet prairie. Plentiful in ditch at Jordan (1942) and may
be present in many other places.
- Torreyi** Tuckerman. (*C. abbreviata*) Torrey's Sedge.
On moist to dry prairie. Localities not recorded but supposed to be
frequent on the prairie.
- tribuloides** Wahl. Blunt Broom Sedge
Moist prairie. Not common. West of Winnipeg.
- trisperman** Dewey. Three-fruited Sedge.
Bogs and wet woods. Rare. Riding Mt. Nat. Pk. Probably other lo-
calities in the north.
- Tuckermanii** Dewey. Tuckerman's Sedge.
Bogs and wet woods. Rare. Limited to south-eastern corner of Man.
- VahlII** Schk. (*C. Hallii*). Alpine Sedge.
Dry situation of the north. Northern Man. to Eskimo Pt. N.W.T.
- varia** Muhl. (*C. artitecta*) Emmon's Sedge.
Dry sandy soil. Common. Birds Hill, Pine Ridge, Bowsman, Flin Flon,
St. Rose, Riding Mt. Nat. Pk., Victoria Beach, Waugh.
- vesicaria** L. Inflated Sedge.
Bogs and swamps. This may be confused with *C. rostrata* as the two
are very much alike. Reported from Norway House, St. Norbert and
Winnipeg.
- vulpinoidea** Michx. Fox Sedge.
Swamps and bogs. Frequent. Victoria Beach and eastwards.
- Willdenovii** Schk. Willdenow's Sedge.
Dry woods. In an earlier check-list without locality. Likely to occur
in the Ontario boundary area.
- xerantica** Bailey. White Scaled Sedge.
Prairie. Not frequent. Darlingford and west.
- Cyperus inflexus** Muhl. Awned Cyperus.
Wet sandy soil. Not common. Ontario boundary area.
- Houghtoni** Torr. Houghton's Cyperus.
Moist sandy soil. Common at Victoria Beach. Probably frequent in the
south-east.
- Schweinitzii** Torr. Schweinitz's Cyperus.
Sandy prairie. Occasional in the south-western area.
- strigosus** L. Straw-colored Cyperus.
Moist grassland. Occasional. Eastern boundary.
- Eleocharis acicularis** (L.) R. & S. Needle Spike-rush.
Wet places, particularly margins of lakes and ponds, often forming
mats. Common.

- acuminata** (Muhl.) Nees. Flat-stemmed Spike-rush.
Wet places. In a previous list without locality.
- monticola** Fernald. Mountain Spike-rush.
Wet places. Rydb.
- palustris** (L.) R. & S. Creeping Spike-rush.
Wet places. Common throughout Manitoba.
- pauciflora** (Lightf.) Link. Few Flowered Spike-rush.
Wet places. In an earlier list without locality.
- tenuis** (Willd.) Schultes. Slender Spike-rush.
Wet places. In an earlier list without locality.
- Eriophorum angustifolium** Roth. Tall Cotton-grass.
Bogs. Common in eastern and northern Manitoba.
- callitrix** Cham. Sheathed Cotton-grass.
Bogs. Frequent in eastern and northern Manitoba also Riding Mt. Nat. Pk.
- gracile** Koch. Slender Cotton-grass.
Cold bogs. Churchill and Hudson Bay area.
- opacum** (Bjornstr.) Fernald. Close-sheathed Cotton-grass.
Bogs. Frequent. Stewart L., Netley L., Matlock and northern Man.
- tenellum** Nutt. Rough Cotton-grass.
Bogs. Probably common. Northern Manitoba.
- Scheuchzeri** Hope. Scheuchzer's Cotton-grass.
Cold bogs. Occasional. Northern Manitoba.
- viridicarinum** (Englm.) Fernald. Thin Leaved Cotton-grass.
Bogs and wet meadows. Occasional. Eastern Manitoba and Turtle Mt.
- virginicum** L. Virginia Cotton-grass.
Bogs. Recorded by Rydb. Probably only in eastern Manitoba.
- Leucocoma alpina** (L.) Rydb. (Eriophorum alpinum) Alpine Cotton-grass.
Bogs. Probably common east and north. Richer, Churchill, Hudson Bay to Eskimo Pt.
- Scirpus acutus** Muhl. (S. occidentalis) Viscid Great Bulrush.
In water of lakes and slow streams. Fairly common.
- americanus** Pers. Three-square Bulrush.
Around prairie sloughs. Frequent. Rossburn, Victoria Beach and eastern area.
- atrocintus** Fern. Black-scaled Bulrush.
Swamps. Frequent. Assiniboine R. and south-eastern area.
- atrovirens** Muhl. Dark Green Bulrush.
Swamps. Common. Sandilands, Waugh, Pembina Valley. Assiniboine Valley, drainage ditch at Roland.
- caespitosus** L. Tufted Club-rush.
Bogs. In a former list without locality. A northern species.
- cyperinus** (L.) Kunth. Woolly Bulrush.
Swamps. Frequent in eastern Manitoba, Flin Flon.
- fluviatilis** River Bulrush.
In water. Assiniboine R. south of Shilo.

- microcarpus** Presl. Small-fruited Bulrush.
Swamps. Common. Eastern and northern Manitoba.
- pallidus** (Britton) Fernald. Pale Bulrush.
Wet places. Rydb.
- paludosus** A. Nels. Prairie Bulrush.
Alkaline and salty marshes, border of sloughs. Frequent. Baldur,
Souris Valley, Nelson R.
- rufus** (Huds.) Schrad. Red Bulrush.
Lake shore and marshes. Rydb.
- Torreyii** Olney. Torrey's Bulrush.
Swamps. Rydb.
- validus** Vahl. Common Bulrush
In water. Common. In most lakes and sloughs throughout Manitoba.

ARACEAE. Arum Family.

- Acorus Calamus** L. Sweet Flag
In swamps, around lakes and along streams. Common east and north.
A common food plant of musk-rats.
- Arisaema triphyllum** (L.) Schott. Jack-in-the-pulpit.
Moist woods and swamps. Rare. Emerson and a few localities in the
south-east corner. Grows well in a shaded garden.
- Calla palustris** L. Calla Lily, Marsh Calla.
In bogs and lake margins. Common in eastern Manitoba also at Flin
Flon.
- Symplocarpus foetidus** (L.) Nutt. Skunk Cabbage.
Swamps. Rare. South-eastern corner.

LEMNACEAE. Duckweed Family.

- Lemna minor** L. Lesser Duckweed.
Floating on still water. Common.
- trisulca** L. Ivy-leaved Duckweed.
Submerged in quiet water. Common.
- Spirodela polyrhiza** (L.) Schleiden. Many-rooted Duckweed.
Floating on still water. Common but not as plentiful as the two pre-
ceding duckweeds.

ERIOCAULACEAE. Pipewort Family.

- Eriocaulon articulatum** (Huds.) Morong. Pipewort.
Still water. Found near Ingolf, Ont., close to Manitoba boundary and
is likely in Manitoba.

MELANTHACEAE. Bunch Flower Family.

- Anticlea chlorantha** (Richards.) Rydb. *Zygadenus chloranthus*.
White Camas.
This is regarded as an eastern species. Two species definitely are found

in Manitoba. This species in stony places. Stony Mt. and stony places on prairie, also eastern Manitoba.

(9) Jy. 3; Jn. 23 '11; Jy. 14 '07; 62.

- elegans** (Pursh) Rydb. Smooth Camas.
In moist and frequently in alkaline prairie. Common.
Tofieldia glutinosa (Michx.) Pers. Glutinous Tofieldia.
Bogs. Rare. Ogilvie.
—**palustris** Huds. Bog Asphodel.
Wet places. Not so rare as the preceding species. McCreary, Hudson Bay area.
Toxicoscordion gramineum Rydb. Death Camas.
Dry hilly grassland. Rare. Only recorded from the south-west corner of the province.

JUNCACEAE. Rush Family.

- Juncus articulatus** L. Jointed Rush.
Sandy lake shores. Not common. Lake Winnipeg, Clear Lake in the Riding Mt. Nat. Pk.
—**ater** Rydb. (*J. balticus*) Baltic Rush.
Usually along shores. The commonest rush in Manitoba found in most wet soils.
—**brevicaudatus** (Engelm.) Fernald. Narrow-panicled Rush.
Marshes and margins of pools. Rydb.
—**brachycephalus** (Engelm.) Buch. Small-headed Rush
Marshes and lake shores. Rydb.
—**bufonius** L. Toad Rush.
Wet places. Fairly frequent. Sturgeon Creek, Lyleton, Riding Mt. Nat. Pk., Victoria Beach, Warren Landing.
—**castaneus** Smith. Chestnut Rush.
Cold wet places. York Factory and likely throughout northern Man.
—**dichotomus** Ell. Forked Rush.
Dry soil. In a previous list without locality. This may be an error as Manitoba is not in the range for this species.
—**Dudleyi** Wieg. Dudley's Rush.
Moist places. Probably frequent. Delta, Oak Point, Lyleton.
—**effusus** L. Common or Bog Rush.
Swamps. Frequent in the south-eastern area.
—**filiformis** L. Thread Rush.
Wet places. Rare. Morden and Roseisle.
—**longistylis** Torr. Long-styled Rush.
Moist grassland. Common.
—**militaris** Bigel. Bayonet Rush.
Shallow margins of streams and ponds. In an earlier list without locality. It is an eastern species.

- nodosus** L. Knotted Rush.
Wet soil. Not infrequent across southern Manitoba.
- Richardsonianus** Schult. Richardson's Rush.
Wet places and lake shores. Frequent around northern lakes.
- stygius** L. var. **americana** Buch. Moor Rush.
Moist places. Eskimo Pt. N.W.T. Possibly frequent in northern Man.
- tenuis** Willd. Slender Rush.
Moist grassland. Common.
- Torreyi** Coville. Torrey's Rush.
Wet places and moist sand. Fairly common. Delta, East Kildonan, Gypsumville, Victoria Beach.
- Luzula confusa** Lindb. Northern Wood-rush.
Arctic and alpine grassland. Eskimo Pt. N.W.T.
- multiflora** (Ehrb.) Lej. Common Wood-rush.
Woods and wooded hills. Lake Winnipeg.
- parviflora** (Ehrb.) Desv. Small-flowered Wood-rush.
Meadows. Eskimo Pt. and northern Manitoba.
- saltuensis** Fern. Hairy Wood-rush
Prairie. Rare. Fort Garry, Notre Dame de Lourdes.

ALLIACEAE. Onion Family.

- Allium cernuum** Roth. Nodding Wild Onion.
Hilly prairie. Common. Southern Manitoba.
- stellatum** Ker. Pink Prairie Onion.
Rocky slopes and dry prairie. Common in eastern Manitoba and infrequent on the prairie. Brandon, Aweme, Morris, Virden.
- textile** Nels. & Macbr. Common Prairie Onion.
Dry prairie and hills. Common. Usually the first of our wild onions to flower.

(7) My. 29; My. 19 '15; Je. 11 '07

LILIACEAE. Lily Family.

- Lilium philadelphicum** L. Red Prairie Lily.
Open woods and moist prairie. Common but getting scarce around towns and cities.
(11) Je. 22; Je. 15 '11; Jy. 1 '07; 73.
- umbellatum** Pursh. Western Red Lily.
Open dry woods and drier prairie. More common than the preceding species in western Manitoba.

CONVALLARIACEAE. Lily-of-the-Valley Family.

- Asparagus officinalis** L. Asparagus.
On river banks, escaped from cultivation, chiefly in Red R. and Assiniboine valleys.

- Disporum lanuginosum** (Michx.) Nichols. Hairy Disporum.
Woods. Rare. Aweme, Victoria Beach.
- trachycarpum** S. Wats. Disporum.
In woods. Common east of Red R. to Ont., also Riding Mt. Nat. Pk.,
Baldur, Eden, Silverton.
- Clintonia borealis** (Ait.) Raf. Yellow Clintonia.
Woods. Common in the eastern area.
- Maianthemum canadense** Desf. False Lily-of the Valley.
In woods. Common in most woods throughout the Province.
(9) Je. 5; My. 30 '12; Je. 17 '07; 90.
- canadense** var. **interius** Fernald.
Morden and Roseisle.
- Oakesiella sessilifolia** (L.) Small. Small Bellwort.
Woods. Rare. Roseisle.
- Streptopus amplexifolius** (L.) DC. White-flowered Twisted-stalk.
Moist woods. Common in eastern woods. Also Gimli, Rossburn, Riding
Mt. Nat. Pk.
- longipes** Fernald. Pink-flowered Twisted-stalk.
Moist woods. Frequent in the eastern area.
- Smilacina racemosa** (L.) Desf. False Spikenard.
Moist woods. Not common. Eastern woods and Riding Mt. Nat. Pk.
- stellata** (L.) Desf. False Solomon's Seal.
Woods. Common throughout the province.
(16) My. 26; My. 18 '11; Je. 8 '16; 85.
- trifolia** (L.) Desf. Three-leaved Solomon's Seal.
Wet woods and bogs. Common in eastern and northern Manitoba, and
Riding Mt. Nat. Pk.
- Polygonatum commutatum** (Schultes) Dietr. Common Solomon's Seal.
Open woods. Common. Aweme, Red R. Valley, Riding Mt. Nat. Pk.
(11) Je. 20; Je. 9 '09; Je. 26 '15; 81.
- giganteum** Dietr. Great Solomon's Seal.
Open woods. Occasional. Southern and eastern Manitoba.
- Uvularia perfoliata** L. Perfoliate Bellwort.
Woods. Rare. Victoria Beach and eastern boundary.

TRILLIACEAE. Trillium Family.

- Trillium cernuum** L. Nodding Trillium.
Woods. The only common Trillium in Manitoba. Flower usually well
hidden under the leaves.
- erectum** L. Purple Trillium.
Woods. Rare. Only found in the south-east.
- declinatum** (A. Gray) Gleason. Drooping Trillium.
Woods. This species has been frequently confused with *T. cernuum*.
May be present in the south-east.

SMILACEAE. Smilax Family.

Nemexia herbacea (L.) Small. Smilax, Carrion Flower.

—**lasioneuron** (Hook) Rydb.

Woods. Common.

The two species here are better known under the old name of **Smilax herbacea** L. Both species have been recorded for this province. The specific characters as given in Rydb. vary so much that the author doubts the validity of two species in this region.

(16) Je. 12; My. 31 '11; Je. 17 '07; 85.

AMARYLLIDACEAE. Amaryllis Family.

Hypoxis hirsuta (L.) Colville. Yellow Star-grass.

Meadows and moist prairie. On account of its small size it is probably over looked and may be fairly common. More plentiful after a wet spring. Aweme, Pine Ridge, W. of Darlingford, St. Pierre, Woodmore, Turtle Mt.

IRIDACEAE. Iris Family.

Iris versicolor L. Blue Flag, Wild Iris.

Swamps and river banks. Common, particularly in the eastern area.

Sisyrinchium

In this genus the early identifications were all ascribed to the species **angustifolium**. Recent work now shows other species are present and may be common in some localities or habitats.

Sisyrinchium angustifolium Mill. Common Blue-eyed Grass.

Moist prairie and occasionally in woods. Common.

(11) My 25; My. 15 '11; Je. 9 '07; 68.

—**campestre** Bickn. Prairie Blue-eyed Grass.

Prairie, drier situations than the preceding. Fairly common.

—**mucronatum** Muchx. Mucronate Blue-eyed Grass.

Wet places. Frequent in the eastern area.

—**septentrionale** Bickn. Northern Blue-eyed Grass.

Wet places. Rare in the south, frequent in northern areas.

ORCHIDACEAE. Orchid Family.

Aplectrum spicatum (Walt.) B.S.P. Putty-root Orchid.

Wet woods and swamps. Rare. South-eastern Manitoba.

Arethusa bulbosa L. Rose-lip Orchid, Wild Pink.

Bogs. Rare. Near Seven Sisters Falls, Cedar Lake.

Blephariglottis psycoides (L.) Rydb. Small Purple-fringed Orchid.

Swamps, wet woods. Rare. South-eastern Manitoba.

Coeloglossum bracteatum (Willd.) Parl. (*Habenaria bracteata*)

Long-bracted Orchid.

Swamps and wet woods. Frequent. Aweme, Birds Hill, Pine Ridge,

- Fort Garry, Riding Mt. Nat. Pk., Waugh.
(14) Je. 3; My. 26 '11; Je. 17 '07; 74.
- Corallorrhiza maculata** Raf. Large Coral-root.
Woods. Not common. Winnipeg, Waugh.
- striata** Lindl. Striped Coral-root.
Woods. Occasional. Aweme, Gimli, Riding Mt. Nat. Pk., Winnipeg.
(5) Je. 6; My. 26 '11; Je. 27 '08; 28.
- trifida** Chatelain. Early Coral-root.
Woods. Occasional. Aweme, Gillam, Sandilands, Waugh.
(6) My. 26; My. 23 '06; Je. 8 '09; 55.
- Criosanthes arietinum** (R. Br.) House. Ram's Head Orchid.
Cold wet woods. Rare.
- Cypripedium candidum** Muhl. Small White Lady's Slipper.
Bogs and meadows. Rare. Woodlands.
- hirsutum** Mill. (C. Reginae, C. spectabilis). Showy Lady's Slipper.
Wet woods and swamps. Not common. Aweme, Gonnor, Victoria Beach, Treherne, Neepawa, Turtle Mt., Pine Falls, Riding Mt. Nat. Pk.
(10) Je. 27; Je. 21 '10; Jy. 7 '17; 66.
- flavescens** Red. Narrow-petaled Yellow Lady's Slipper.
Open woods. Rare. South-eastern area.
- parviflorum** Salisb. Small Yellow Lady's Slipper.
Moist woods. Getting somewhat rare where it was once common. Red R. valley and eastwards, also Frazerwood, Rossburn and Ochre R.
(16) Je. 5; My. 27 '11; Je. 15 '07; 89.
- Cypripedium passerinum** Richardson. Northern Lady's Slipper.
Coniferous woods. Churchill and northern Manitoba.
- pubescens** Willd. Downy Yellow Lady's Slippers.
Moist woods. Getting scarce, was once plentiful in southern Manitoba.
(14) Je. 6; My. 31 '11; Je. 16 '07; 91.
- Cythera bulbosa** (L.) House. (Calypso borealis) Venus's Slipper, Calypso.
Cold woods. Infrequent. Bird R., Haas, Flin Flon, Bisset, Spearhill, Wadhope and Victoria Beach.
- Denslovia clavellata** (Michx.) Rydb. Wood Orchid.
Woods. Rare. In a previous list without locality.
- Fissipes acaulis** (Ait.) Small. Moccasin Flower.
Open sandy woods and bogs. Getting scarce. Victoria Beach, and eastwards.
- Goodyera ophioides** (Fernald) Rydb. (G. repens). Rattlesnake Plantain.
Cold mossy woods. Not common. Riding Mt. Nat. Pk., Victoria Beach, Waugh and eastwards.

- Limnorum tuberosum** L. (*Calopogon pulchellus*) Grass Pink.
Swamps. Only recorded from near mile 40, G.W.W.D.
- Limnorchis dilatata** (Pursh) Rydb. (*Habenaria dilatata*) Tall White Bog Orchid.
Bogs. Rare. Riding Mt. Nat. Pk.
- huronensis** (Nutt.) Rydb. (*Habenaria hyperborea*) Leafy Green Orchid.
Bogs. Rare. Gillam, H.B. Ry. mile 326.
- Liparis Loeselii** (L.) Rich. Twayblade.
Woods. Rare. In a previous list without locality.
- Limnorchis viridiflora** (Cham.) Rydb. Tall Leafy Green Orchis.
Bogs. Rare. Warren Landing.
- Listera convallarioides** (Sw.) Torr. Broad-lipped Twayblade.
Moist woods. Rare. Rydb.
- cordata** (L.) R. Br. Heart-leaved Twayblade.
Moist woods. Rare. Eastern area.
- Lysellia obtusata** (Pursh.) Rydb. Small Northern Bog Orchis.
Wet woods. Frequent in isolated localities, Churchill, Porcupine Mt.,
Riding Mt. Nat. Pk., Sandilands.
- Malaxis brachypoda** (A. Gray) Fernald. White Adder's Mouth.
Woods. Recorded by Rydb. Probably limited to eastern area.
- unifolia** Michx. Green Adder's Mouth.
Woods. Rare. Is found further west than the preceding species and
likely limited to north-western and eastern areas.
- Orchis rotundifolia** Pursh. Round-leaved Orchis.
Cold damp woods. Occasional. Aweme, Churchill, Gillam, Minetonas,
Riding Mt. Nat. Pk., Sandilands.
- Platanthera Hookeri** (Torr.) Lindl. Hooker's Orchis.
Rich woods. Recorded by Rydb. Probably limited to eastern area.
- orbiculata** (Pursh.) Lindl. (*Habenaria orbiculata*). Large Round-leaved Orchis.
Woods. Frequent in restricted localities, Brereton, Winnipegosis, Victoria Beach.
- Spiranthes cernua** (L.) Richards. Nodding Ladies Tresses.
Swamps. Recorded only from Riding Mt. Nat. Pk.
- gracilis** (Bigel.) Beck. (*Ibidium gracile*). Slender Ladies' Tresses.
Open woods. Not common. Flin Flon. Riding Mt. Nat. Pk.
- stricta** Rydb. (*S. Romanzoffiana*). Hooded Ladies Tresses.
Rich hilly woods. Rare. Riding Mt. Nat. Pk., eastern area to Kenora.

DICOTYLEDONS

SALICACEAE. Willow Family.

- Populus candicans** Michx. Balm-of-Gilead.
Road-sides and river banks. Frequent. Eastern and southern Manitoba.
- grandidentata** Michx. Large-toothed Poplar.
Rich woods. Occasional. Sandilands and south-eastern area.
- Sargentii** Dode. Western Cotton Wood.
Near streams. Rare. Found in a few localities near the Sask. boundary.
- tacamahacca** Mill. (*P. balsamifera*). Balsam Poplar.
Along streams and moist woods. May be fairly common. It is difficult to separate this species from *P. candicans* of which this may be only a variety.
(8) Ap. 29; Ap. 13 '10; My. 12 '17; 44.
- tremuloides** Michx. Aspen Poplar.
This is the commonest native tree in southern Manitoba. It is also frequent in the north. Pure stands of this species have invaded the prairie in recent years.
(21) Ap. 19; Mch. 28 '10; My. 15 '07; 40.
- virginiana** Fourg. (*P. deltoides*). Cottonwood.
Along river banks. Common.
(4) My. 11; Ap. 29 '10; My. 19 '15; —
- Salix amygdaloides** Anders. Peach-leaved Willow.
Near lakes and rivers. Frequent. The only willow in Manitoba that grows to tree-like proportions, sometimes 60 ft. high. Southern Man.
(4) My. 23; My. 17 '11; My. 27 '12; 33.
- anglorum** Cham. Brown's Willow.
Arctic and alpine situations. Occasional. Churchill.
- arctophylla** Cock.
Arctic and alpine situations. Occasional. Churchill.
- Bebbiana** Sarg. (*S. rostrata*). Beaked Willow, Bebb's Willow.
Valleys and river banks. Common.
(9) My. 6; Ap. 26 '15; My. 16 '12; 37.
- brachycarpa** Nutt. Short-capsuled Willow.
Wet hilly places. Recorded in earlier lists without locality. Probably limited to northern regions.
- candida** Flugge. Hoary Willow.
Bogs. Frequent. Eastern and northern areas, also Gimli, Carberry, and Riding Mt. Nat. Pk.
- cordata** Muhl. Heart-leaved Willow.
Wet places. Frequent. Eastern Manitoba and Assiniboine Valley, Treherne to Winnipeg.
(12) Ap. 29; Ap. 13 '10; Je. 12 '17; 39.

- discolor** Muhl. Pussy Willow, Silver Willow.
Wet places on the prairie. Common. Gimli, Winnipeg, Morden, Rose-
isle, Riding Mt. Nat. Pk.
(20) Ap. 19; Mch. 28 '10; Ap. 30 '07; 35.
- erythrocoma** Barrat. Red-leaved Willow.
Banks of rivers and lake shores. A north-western species.
- glauca** L. Glaucous Willow.
A northern species collected at Churchill 1939.
- glaucophylla** Bebb. Broad-leaved Willow.
Sandy soil and sand dunes. Reported from Killarney.
- interior** Rowlee (*S. longifolia*). Sand-bar Willow.
Along river banks, lakes, and sand bars. Common.
(8) My. 28; My. 22 '11; Je. 3 '10; 31.
- linearifolia** Rydb. Linear-leaved Willow.
River banks and lake shores. Common. Leaves narrower than the
preceding species and probably only a variety of *S. interior*.
- longifolia**. See *S. interior*.
- lucida** Muhl. Shining Willow.
Swamps and river banks. Common.
(8) My. 17; My. 8 '15; My. 19 '13; 36.
- lutea** Nutt. Yellow Willow.
Swamps and river banks. Occasional. Morden and Roseisle.
- Mackenziana** Barrat. Diamond Willow.
Along streams. Common in eastern and southern Manitoba and likely
plentiful in the northern area.
- nigra** Marsh. Black Willow.
Swamps and river banks. Sometimes grows to a tall tree. Has been
collected at Deer Lodge. (W. of Winnipeg.)
- pedicellaris** Pursh. Bog Willow.
Bogs. Common.
- pedicellaris** var. **hypoglauca** (Robbins) Britton.
Riding Mt. Nat. Pk.
- pellita** Andrs. Satiny Willow.
Lake margins and river banks. Probably common in northern Manitoba.
Collected only from Warren Landing.
- petiolaris** Smith. Basket Willow.
Swamps. Frequent. Eastern Manitoba also Aweme, Morden and Rose-
isle.
(11) Ap. 27; Ap. 13 '10; My. 11 '17; 33.



- reticulata** L (S. orbiculata). Net-veined Willow.
Arctic and alpine situations. Churchill and Hudson Bay area.
- serissima** (Bailey) Fernald. Autumn Willow.
Collected only from Aweme. Probably occurs in many swamps in southern and eastern Manitoba.
(8) My. 18; My. 8 '15; My. 23 '16; 133.
- Uva-ursi** Pursh. Bear-berry Willow.
Arctic regions. Churchill, Flin-Flon, Norway House, one record from Aweme.

MYRICACEAE. Bayberry Family.

- Comptonia peregrina** (L.) Sweet Fern.
Hillsides. Rare. South-eastern Manitoba.
- Myrica Gale** L. Sweet Gale.
Margins of streams and small lakes. Common. Eastern Manitoba also Flin-Flon and Riding Mt. Nat. Pk.

BETULACEAE. Birch Family.

- Alnus incana** (L.) Moench. Hoary Alder.
Swamps and along streams. Common. Eastern Manitoba also Ross burn, Treherne, Flin-Flon, Riding Mt. Nat. Pk.
(12) Ap. 26; Ap. 7 '10; My. 20 '07; 122.
- Alnus mollis** Fernald. Downy Alder.
Cold Bogs. Rare. Eastern boundary.
- Betula caerulea** Blanchard. Blue Birch.
Woods. Rare. Rossburn..
- cordifolia** Regel. Heart-leaved Birch.
Hills and slopes. Rare. Turtle Mt.
- fontinalis** Sarg. River Birch
River banks. Not common. Morden, Virden. May be more frequent in the north.
- glandulifera** (Regel) Butler. Small Swamp Birch.
Boggy places on the prairie. Frequent. Winnipeg, Virden, Riding Mt. Nat. Pk.
- grandulosa** Michx. Glandular Birch.
Wet places. Frequent, particularly in the northern and eastern areas, also Aweme, Riding Mt. Nat. Pk. and near top of escarpment close to Miami.
(11) My. 12; Ap. 30 '10; My. 26 '24; 122.
- lutea** Michx. Yellow Birch.
Rich moist woods. Frequent. Eastern Manitoba.

- papyrifera** Marsh. Paper Birch, Canoe Birch.
Woods. Common. In most wooded areas from Ontario to Turtle Mt. and north to Hudson Bay.
(11) My. 13; Ap. 24 '11; Je. 4 '07; 124.
- pumila** L. Dwarf Birch.
In Bogs. Occasional. Eastern and northern Manitoba, along H. B. Ry.

CORYLACEAE. Hazelnut Family.

- Corylus americana** Wtlt. Common Hazelnut
Woods and thickets. Common throughout Manitoba.
(14) Ap. 20; Ap. 3 '10; My. 5 '09; 126.
- rostrata** Ait. Beaked Hazelnut.
Woods and thickets. Not quite as common as the preceding species. Sometimes the two species are found in the same wood.
(8) Ap. 28; Ap. 3 '10; My. 1 '07; 131.
- Ostrya virginiana** (Mill.) K. Koch. Ironwood.
Dry woods. Occasional. Sandilands, Sprague, Morden and 10 miles north of Lac du Bonnet.

FAGACEAE. Beech Family.

- Quercus ellipsoidalis** E. J. Hill. Hill's Oak.
Woods. Rare. Along the Minnesota-Manitoba boundary.
- macrocarpa** Michx. Bur Oak.
Woods. The common oak in Manitoba, usually in well drained situations.
(19) My. 27; My. 19 '11; Je. 10 '07; 91.
- mandanensis** Rydb. Mandan Oak.
The shub oak of the prairie may be this species. Rydberg records it as being found from Minnesota to Saskatchewan.

ULMACEAE. Elm Family.

- Celtis occidentalis** L. Hackberry.
Rocky and sandy places. Rare. Sandy ridge east of Delta. May also be present along the international boundary.
- Ulmus americana** L. White Elm, American Elm.
Woods. Common in moist woods of southern Manitoba.
(14) Ap. 28; Ap. 7 '10; My. 15 '09; 35.

CANNABINACEAE. Hop Family.

- Humulus Lupulus** L. Common Hops.
Woods. Frequent. Assiniboine R. and Red R. valleys, Swan R., Rossburn and Riding Mt. Nat. Pk.

URTICACEAE. Nettle Family.

- Laportea canadensis** (L.) Gaud. Wood Nettle.
Rich woods. Common. Red R. and Assiniboine R. valleys, Riding Mt. Nat. Pk.

- Parietaria pennsylvanica** Muhl. Pellitory.
 Shaded banks and rocks. Rare. Ontario boundary.
- Urtica dioica** L. Great Stinging Nettle.
 Waste ground. Not common. Riding Mt. Nat. Pk.
- procera** Muhl. (*U. gracilis*). Slender Stinging Nettle.
 River banks and waste land. Common.
- urens** L. Annual Stinging Nettle.
 Waste ground. Not common. Winnipeg.

POLYGONACEAE. Buckwheat Family.

- Bilderdykia cilinodis** (Michx.) Greene (*Tiniaria cilinodis*).
 Fringed Black Bindweed.
 Dry and rocky places. Frequent. Eastern Manitoba and Flin-Flon.
- Convolvulus** (L.) Dum. (*Polygonum Convolvulus*). Wild Buckwheat.
 A weed in cultivated ground and in some shrubby places. Common.
- dumetorum** (L.)¹ Dum. Hedge Buckwheat.
 In thickets. Frequent. Mostly in prairie areas.
- Bistorta vivipara** (L.) S. F. Gray. Alpine Bistort.
 Wet places in the arctic or alpine regions. Churchill.
- Eriogonum flavum** Nutt. Yellow Eriogonum
 Dry hillsides. Rare. Copley, Lyleton.
- Persicaria coccinea** (Muhl.) Greene (*P. Muhlenbergii*). Swamp Persicaria
 In water and wet places. Common. Red R., quiet bays of L. Winnipeg
 and eastern lakes, Pembina R.
- fluitans** (Eaton) Greene (*P. amphibium*) Water Persicaria, Ladies Fingers.
 In water and wet places. Occasional. Northern Man.
- Hydropiper** (L.) Apiz. Smartweed.
 Wet places. Occasional. Flin-Flon and eastern boundary areas.
- lapathifolia** (L.) S. F. Gray. Pale Persicaria.
 Wet places. Occasional. Morris, Flin-Flon.
- maculosa**, S. F. Gray (*P. Persicaria*). Lady's Thumb.
 Moist sand and waste land. Common.
- punctata** (Ell.) Small. Dotted Water Smartweed.
 Swamps and wet places. Occasional. Eastern boundary area.
- Polygonum aviculare** L. Knotweed, Doorweed.
 Waste places, railway tracks, paths, etc. Common.
- erectum** L. Erect Knotweed.
 Waste places and sandy beaches. Frequent around L. Winnipeg, Mor-
 den, Lyleton and Rossburn.
- neglectum** Besser. Narrow-leaved Knotweed.
 Waste places. Common.
- ramosissimum** Michx. Bushy Knotweed.
 Sandy soil, lake shores and river banks. Frequent. Gimli, Victoria
 Beach, Lyleton.

- tenue** Michx. Slender Knotweed
Dry soil and stony places. Less frequent than other species. North Star and west of Miami.
- Rumex Acetosella** L. Sour Dock, Green Sorrel.
Waste land. Occasional. Flin-Flon, Waugh.
- crispus** L. Curly Dock.
Waste moist land. Common.
- mexicanus** Meissn. Narrow-leaved Dock.
River banks and moist places. Common.
- occidentalis** S. Wats. Western Dock.
Wet places. Rare. Churchill.
- Patientia** L. Patience.
Waste ground, garden escape. Rare. Morris.
- persicarioides** L. Golden Dock.
Sandy shores and moist sandy soil. Frequent. L. Winnipeg, Winnipeg, and Riding Mt. Nat. Pk.
- venosus** Pursh. Red-veined Dock.
Sandy soil. Common.
- Tracaulon sagittatum** (L.) Small. Arrow-leaved Tear-thumb.
Wet meadows. Frequent. Eastern area, Brereton to Kenora, Waugh.

CHENOPODIACEAE. Goosefoot Family.

- Atriplex argentea** Nutt. Silvery Atriplex.
Alkaline flats. Rare. Glenboro (Hecla soil).
- Atriplex hastata** L. Halberd-leaved Atriplex.
Alkaline flats. Not common. Souris basin, Winnipeg.
- hortensis** L. Garden Atriplex.
Road-sides. Escaped from gardens. A red foliage plant found a number of times on Pembina Highway.
- Nuttallii** S. Wats. Nuttall's Atriplex.
Dry places, shale. Rare. Brenda, Morris, North Star.
- Axyris amaranthoides** L. Russian Pigweed.
Waste places and poorly cultivated fields. Common.
- Blitum capitatum** L. Strawberry Blite.
Usually in rocky or stony soil. Frequent. Gimli, Roblin, Riding Mt Nat. Pk., Warren Landing, Victoria Beach, Waugh.
(5) My. 23; My. 15 '13; My. 27 '10; 27.
- Chenopodium album** L. Lamb's Quarters, White Goosefoot.
Waste places and cultivated land. Very common.
- Boscianum** Moq. Bosc's Goosefoot.
Moist waste land and woods. Rare. Brenda.
- glaucum** L. Oak-leaved Goosefoot.
Alkaline areas and waste places. Common.

- hybridum** L. Maple-leaved Goosefoot.
Woods and cultivated land. Common.
- leptophyllum** Nutt. Narrow-leaved Goosefoot.
Dry and sandy soil. Rare.
- rubrum** L. Red Goosefoot.
Alkaline areas. Frequent. Victoria Beach, Riding Mt. Nat. Pk., Morden, H. B. Ry.
- salinum** Standl.
Alkaline areas. Rare. Lyleton.
- Chenopodium urbicum** L. Upright Goosefoot.
Waste places. Rare. Brenda, Selkirk.
- Corispermum marginale** Rydb. Bug-Seed.
Sandy soil and lake beaches. Frequent. Miami, St. Lazare, Matlock Beach, Victoria Beach.
- Cycloloma atriplicifolium** (Spreng.) Coulter. Winged Pigweed.
Sandy soil. Rare. Aweme, Shilo, Stockton.
- Eurotia lanata** (Pursh) Moq. White or Winter Sage.
Dry prairie. Rare. Virden.
- Kochia trichophylla** Stapt. Summer Cypress, Burning Bush.
An escape from gardens. Grown for its red autumn coloring.
- Monolepis Nuttalliana** (Schult.) Greene. Poverty Weed.
Saline soils. Frequent. Broomhill, Carberry, Hargrave, Winnipeg.
- Salicornia rubra** A. Nels. Glasswort, Samphire.
Alkaline soils, particularly around saline lakes. Frequent. East of Stony Mt., St. Charles, old Souris channel, Gladstone, Baldur.
- Salsola Pestifer** A. Nels. Russian Thistle.
Loose sandy soil. Common.
- Sarcobatus vermiculatus** (Hook.) Torr. Grease-wood.
Alkaline flats. Rare. Wood Mt., western boundary.
- Suaeda depressa** (Pursh) S. Wats. Western Sea Blite.
Alkaline areas. Frequent. Goodlands, Stony Mt., Lyleton.
- erecta** (S. Wats.) A. Nels. Erect Sea Blite.
Borders of sloughs and alkaline flats. Not so frequent, s. of Brandon and e. of Souris.

AMARANTHACEAE. Amaranth Family.

- Amaranthus blitoides** S. Wats. Prostrate Amaranth..
Dry places, roadsides. A common garden weed.
- graecizans** L. Tumbleweed.
Cultivated ground. Common weed.
- retroflexus** L. Red Root Pigweed.
Cultivated fields. Common farm weed.
- spinosus** L. Spiny Pigweed.
Waste places. Frequent. Red R. Valley.

NYCTAGINACEAE. Four-O'clock Family.

- Allionia decumbens** Nutt. Decumbent Umbrella-wort.
 Dry sandy soil. Rare. South-western area.
- hirsuta** Pursh. Hairy Umbrella-wort.
 Sandy soil. Frequent in restricted localities. Grand Beach, Victoria Beach, Carberry, Lyleton, Broomhill, Crystal City.
- pilosa** (Nutt.) Rydb. Pilose Umbrella-wort.
 Sandy soil. It is possible that some of the records for the above species belong to this species. They are much alike and have the same range.
- nyctaginea** Michx. Heart-leaved Umbrella-wort.
 Rich soil. Frequent. Aweme, Delta, Rock L. and eastern area.
 (5) Je. 18; Je. 10 '11; Je. 24 '12; 12.

PORTULACACEAE. Purslane Family.

- Portulaca oleracea** L. Purslane.
 Cultivated and waste land. Common garden weed.

CORRIGIOLACEAE. Whitlow-wort Family.

- Paronychia depressa** Nutt. Depressed Whitlow-wort.
 Dry sandy places and hills. Rare. Victoria Beach.
- sessiliflora** Nutt. Low Whitlow-wort.
 Dry sandy prairie and ridges. Rare. South-west corner.

ALSINACEAE. Chick-weed Family.

- Cerastium arvense** L. Meadow Chickweed.
 Hillsides and dry prairie. Common.
 (19) My. 11; Ap. 29 '10; My. 31 '07; 39.
- nutans** Raf. Long-stalked Chickweed.
 Shaded and moist places. Frequent. Aweme, Churchill, Lac du Bonnet, Riding Mt. Nat. Pk. and eastern area.
 (5) Je. 1; My. 25 '06; Je. 8 '16; 40.
- vulgatum** L. Mouse-eared Chickweed.
 Woods and fields. Frequent. Rossburn and eastern area.
- Moehringia lateriflora** (L) Fenzl. (Arenaria lateriflora) Blunt-leaved Sandwort.
 Moist woods and thickets. Common.
 (14) My. 27; My. 14 '15; Je. 4 '07; 35.
- Sabulina litorea** (Fern.) Rydb. Beach Sandwort.
 Sandy and gravelly lake shores and calcareous bluffs. Rare. Stony Mt. and south-eastern area.
- stricta** (Michx.) Small. Rock Sandwort.
 Dry rocky places, limestone. In a previous list without locality.
- propinqua** (Richerds.) Rydb. (Arenaria verna). Vernal Sandwort.
 Dry rocky places. Churchill.

- Sagina nodosa** (L.) Fenzl. Knotted Spurry.
Wet places. Lake Winnipeg.
- Spergularia salina** J. & C. Presl. (Tissa marina) Salt-marsh Sand Spurry.
Saline soil. Rare. Sturgeon Creek, Morden.
- Stellaria borealis** Bigel. Northern Chickweed.
Wet places. Not common in southern Manitoba. Gimli, H. B. Ry.
Churchill, and Victoria Beach.
- crassifolia** Ehrh. Fleshy Chickweed.
Wet places. In a previous list without locality.
- graminea** L. Lesser Chickweed.
Wet places. Rare. Morden, Roseisle.
- laeta** Richardson. Green Chickweed.
Cold wet places. Churchill, Warren Landing.
- longifolia** Muhl. Long-leaved Chickweed.
Low meadows, woods and swamps. Common.
- longipes** Goldie. Long-stalked Chickweed.
Woods and wet places. Common.
(7) My. 30; My. 24 '06; Je. 8 '24; 19
- media** (L.) Cyrill. Common Garden Chickweed.
Weed in gardens. Common.

CARYOPHYLLACEAE. Pink Family.

- Agrostema Githago** L. Purple Cockle.
Waste places and grain fields. Winnipeg.
- Melandrium album** (Mill.) Garcke. White Campion.
Waste places and old gardens. Occasional.
- Silene antirrhina** L. Sleepy Catch-fly.
Fields and waste ground. Occasional. Aweme, Waugh and eastern
Boundary.
(10) Je. 21; Je. 11 '12; Jy. 2 '23; 19.
- noctiflora** L. Night-flowering Catch-fly.
Cultivated and waste ground. Frequent some years. Aweme, Ross-
burn, Winnipeg, Waugh.
(4) Je. 24; Je. 22 '07; Je. 26 '14; 24.
- Silene vulgaris** (Moench) Garcke, (S. inflata). Bladder Campion.
Fields and waste places. Occasional. Strathclair.
- Wahlbergella apetala** (L.) Fries. (Lychnis apetala). Nodding Lychnis.
Arctic and alpine situations. Churchill.
- Drummondii** (Hook.) Rydb. Drummond's Cockle.
Hillsides and dry prairie. Rare. Churchill.
(8) Je. 10; Je. 4 '11; Je. 18 '10; 22.

Vaccaria vulgaris Host. Cow Cockle.
 Waste places. Occasional. Aweme, Boissevain, Winnipeg
 (6) Je. 24; Je. 17 '11; Jy. 2 '09; 42.

CERATOPHYLLACEAE. Hornwort Family.

Ceratophyllum demersum L. Hornwort.
 Ponds and quiet bays of lakes. Common. Lakes Manitoba, Winnipeg,
 Winnipegosis, and Rock Lake.

NYMPHACEAE. Water Lily Family.

Nuphar advenum Ait. Yellow Water Lily.
 Ponds, lakes and quiet streams. The common water lily of Manitoba.
 Carberry, Riding Mt. Nat. Pk. and eastern lakes.
 —**microphyllum** (Pers.) Fernald. Small Yellow Pond Lily.
 Ponds and small lakes. Frequent. Waugh, L. Brereton, Steeprock.
Nymphaea Leibergii Morong. (*Castalia tetragona*). Small White Water Lily.
 Ponds and streams. Rare. Inwood.
 —**odorata** Ait. Sweet-scented White Water Lily.
 Lakes, ponds and slow streams. Not infrequent in the eastern area.

CABOMBACEAE. Water Shield Family.

Brasenia Schreberi Gmel. Water Shield.
 Ponds and lakes. Rydb.

RANUNCULACEAE. Buttercup Family.

Actea alba (L.) Mill. White Baneberry.
 Rich woods. Frequent. Gimli, Pine Ridge, Rossburn, Riding Mt. Nat.
 Pk., Sandilands, Victoria Beach and Winnipeg.
 —**rubra** (Ait.) Willd. Red Baneberry.
 Rich woods. Frequent. Often in the same woods as the preceding.
 (6) Je. 2; My. 21 '11; Je. 16 '07; 29.
 —**pachypoda** Ell. Thick-pedicelled Baneberry.
 Rich woods. Occasional in eastern woods. Churchill.
Adonis annua L. Bird's Eye.
 Garden escape near town of Shoal Lake.
Anemone canadensis L. Canadian Anemone.
 Moist ground in woods and open places. Common throughout the province.
 A double form grows in the Riding Mt. Nat. Pk.
 (12) Je. 9; My. 30 '22; Je. 26 '24; 53.
 —**cylindrica** A. Gray. Long-fruited Anemone.
 Meadows, hillsides. Frequent in the southern part of Manitoba.
 (10) Je. 13; Je. 5 '08; Je. 25 '07; 59.

- hudsoniana** Richards. (*A. multifida*). Red Wind-flower.
Banks and small woods. Frequent. Brandon, Minnedosa, Rossburn,
Riding Mt. Nat. Pk.
(8) Je. 1; My. 29 '11; Je. 10 '08; 33.
- globosa** Nutt. Cut-leaved Anemone.
Meadows, hillsides and moist prairie and around woods.
Frequent. Baldur, Belmont, Killarney, Lyleton, Miami, Winnipeg.
- parviflora** Michx. Northern Anemone.
Arctic regions. Gillam, Churchill.
- quinquefolia** L. Small Wood Anemone.
Open woods. Frequent. Eastern area, also Dauphin, Treherne, Steep
Rock, Plum Coulee, Roseisle, Morden.
- Richardsoni** Hook. Richardson's Anemone.
Arctic and subarctic regions. Churchill.
- virginiana** L. Tall Anemone.
Woods and river banks. Occasional. Eastern area, Rossburn, Riding
Mt. Nat. Pk.
- Aquilegia brevistyla** Hook. Small Blue Columbine.
Meadows and open woods. A western species slowly advancing east-
wards. Plentiful in a few restricted localities. Dropmore, Flin-Flon,
Churchill, Norway House, The Pas, and Riding Mt. Nat. Pk.
- latiuscula** Greene (*A. canadensis*). Wild Columbine.
Open woods and prairie. Frequent. Birtle, Eden, Greysville, Rossburn,
Riding Mt. Nat. Pk. Sundown and eastern area.
(11) Je. 5; My. 22 '11; Je. 18 '07; 36.
- Atragene americana** Sims. Purple Virgin's Bower.
Rocky woods. Rare. Eastern Manitoba and Hudson Bay.
- Batrachium divaricatum** (Schränk) Wimmer (*Ranunculus circinatus*).
Sessile-leaved Water Crowfoot.
Ponds and lake bays. Frequent. Birtle, Gimli, Victoria Beach.
- longirostre** (Godr.) F. Schultz. (*R. longirostris*) Long Beaked Water Crowfoot.
Ponds and slow streams. Rare. Pine Ridge.
- trichophyllum** (Choix.) Bosch. White Water Crowfoot.
Ponds and slow streams. Frequent. Lake Winnipeg, Shoal Lake
(G.W.W.D.), Rossburn.
- Caltha natans** Pall. Floating Marigold.
In slow streams. Rare. Snake Creek (nr. Waugh), Flin-Flon, Berens
River. (See Can. Field Nat. Vol. LV, p. 18.)
- palustris** L. Marsh Marigold.
Swamps and wet meadows. Frequent across southern Manitoba from
Riding Mt. Nat. Pk. to eastern boundary.
(17) My. 7; Ap. 18 '15; My. 20 '07; 52.

- Clematis ligusticifolia** Nutt. Western Virgin's Bower, Traveler's Joy.
Light woods. Rare. Brandon.
- virginiana** L. White Virgin's Bower.
Among shrubs. Rare. S. end of L. Winnipeg, Dropmore, and south-east corner.
- Coptidium lapponicum** (L.) Gand. (Ranunculus lapponicus).
Lapland Buttercup.
Wet mossy woods of the north. Frequent. Warren Landing to Churchill.
- Coptis trifoliata** (L.) Salisb. Gold-thread.
Moist woods. Frequent. Brereton, Pine Ridge, Richer, Sandilands, Victoria Beach, Waugh.
- Delphinium virescens** Nutt. Prairie Larkspur.
Moist prairie. Rare. Headingly, Netley.
- Halerpestes Cymbalaria** (Pursh) Greene (Ranunculus Cymbalaria).
Sea-side Crowfoot.
Sandy shores and wet alkaline soil. Frequent. Gimli, Inwood, Lyleton, Rossburn, Victoria Beach.
(6) Je. 5; My. 27 '11; Je. 15 '07; 89.
- Hepatica triloba** Chaix. Liver-leaf.
Woods. Occasional. South-east corner, and escarpment near Notre Dame de Lourdes.
- Myosurus minimus** L. Least Mouse-til.
Mud, shallow water and wet alkaline soil. Occasional. Brenda, Crystal City, old Souris channel s. of Melita.
- Pulsatilla ludoviciana** (Nutt.) Heller, (P. patens, Anemone patens).
Prairie Anemone, Crocus Anemone.
(21) Ap. 13; Mch. 23 '10; Ap. 28 '23; 45.
Prairie and hillsides. Common.
- Ranunculus abortivus** L. Smoothed-leaved Buttercup.
Wet places and open woods. Common.
- acris** L. Tall Buttercup.
Field, meadows and roadside. Occasional. Morris, Victoria Beach, Winnipeg.
- delfinifolius** Torr. Yellow Water Buttercup.
Sloughs. Rare. East Selkirk, Gimli.
- fascicularis** Muhl. Tufted Buttercup.
Hills. Rare. Rydb.
- hispidus** Michx. Hispid Buttercup.
Moist woods. Occasional. Winnipeg.
- Macounii** Britton. Macoun's Buttercup.
Damp places. Common. Birtle, Rossburn, Riding Mt. Nat. Pk., Waugh, Winnipeg.

- ovalis** Raf. (*R. rhomboideus*). Early Prairie Buttercup.
 Prairie. Common. Perhaps the most common buttercup but overlooked on account of earliness.
 (19) Ap. 20; Ap. 8 '10; My. 14 '07; 53.
- pedatifidus** J. E. Smith. Rough-fruited Buttercup, Northern B.
 Arctic and Alpine situations. Churchill.
- pennsylvanicus** L. Bristly Buttercup.
 Shallow water and wet places. Frequent. Gimli, The Pas, Swan River and eastern Manitoba.
- Purshii** Richards. Pursh's Buttercup.
 Fields, meadows and roadsides. Occasional. Gimli, Caddy Lake, Riding Mt. Nat. Pk.
- recurvatus** Poir. Hooked Buttercup.
 Woods. Occasional. Eastern Manitoba.
- repens** L. Creeping Buttercup.
 Meadows and roadsides. Rare. Riding Mt. Nat. Pk., Sandilands.
- reptans** L. Creeping Spearwort.
 River banks and lake shores. Locally common. Assiniboine R., Winnipeg, and Treherne, L. Winnipeg, Riding Mt. Nat. Pk.
- Sceleratus** L. Celery-leaved Buttercup.
 Shallow water and swamps. Common.
- septentrionalis** Poir. Swamp Buttercup.
 Moist places. Rare. Gimli.
- Thalictrum dasycarpum** Fisch. and Ave. Tall Meadow Rue.
 Around woods, meadows. Common.
- dioicum** L. Early Meadow Rue.
 Woods. Common.
 (15) Je. 1; My. 23 '19; Je. 13 '24; 50.
- polygamum** Muhll. (T. Cornuti). Fall Meadow Rue.
 Open sunny swamps. Rare. Recorded only from Aweme.
 (4) Je. 23; Je. 22 '10; Je. 24 '11; 51.
- sparsifolium** Turcz. Few-flowered Meadow Rue.
 Moist places. Rydb.
- venulosum** Trel. Veiny Meadow Rue.
 Open woods, gravelly and rocky soil. Frequent. Flin-Flon, Morden, Sandilands, Winnipeg.

PODOPHYLLACEAE. May Apple Family.

- Caulophyllum thalictroides** L. Michx. Blue Cohosh.
 Moist woods. Rare. East Selkirk.

MENISPERMACEAE. Moonseed Family.

- Menispermum canadense** L. Moonseed.
 Woods. Limited to the Red R. valley and lower part of Assiniboine valley. Often mistaken for Wild Grape but seed is flat. Poisonous.

PAPVERACEAE. Poppy Family.

- Sanguinaria canadense** L. Blood-root.
Woods. Rare. Escarpment near Notre Dame de Lourdes, Roseisle,
Pembina Mt., Sandilands and south-east corner.

FUMARIACEAE. Fumitory Family.

- Adlumia fungosa** (Ait.) Greene. Climbing Fumitory.
Moist woods. Introduced from Western Ontario to gardens in eastern
Manitoba and is slowly spreading. West Hawk Lake, Victoria Beach.
- Corydalis aurea** Willd. Golden Corydalis.
Hillsides and open woods, railway tracks. Frequent. Clearwater,
Flin-Flon, Killarney, Rock Lake, Rosburn, Winnipeg.
(16) My. 8; Ap. 30 '10; Je. 7 '09; 46.
- sempervirens** (L.) Pers. Pink Corydalis.
Rocky woods. Common. Eastern Manitoba north to Berens R. and
Flin-Flon.
- Fumaria officinalis** L. Fumitory.
Waste ground. Rare. Hamiota and Miniota. 1927-1931.

BRASSICACEAE (CRUCIFERAE). Mustard Family.

- Alyssum alyssoides** (L.) Gouan. Sweet Alyssum
Fields and waste places. An escape from gardens.
- Amoracia rusticana** Gaertn. Horse Radish.
Abandoned gardens and waste land. Escape from cultivation. Winni-
peg.
- Arabis arenicola** (Richards) Gelert. Arctic Rock Cress.
Arctic areas. Northern Manitoba.
- Bourgovii** Rydb. Stellate Rock Cress.
Meadows and hillsides. Rydb.
- brachycarpa** (T. & G.) Britton. Purple Rock Cress.
Dry prairie and hillsides. Common. Birds Hill, Carberry, Melita,
Rosburn and Riding Mt. Nat. Pk., Victoria Beach.
(10) My. 18; My. 6 '10; Je. 6 '07; 59.
- confinis** S. Wats. River-bank Rock Cress.
River banks. Rydb.
- Drummondii** A. Gray. Drummond's Rock Cress.
Dry prairie and hillsides. Common. Birds Hill, Pine Ridge, Stony Mt.,
Warren Landing, Victoria Beach.
- lyrata** L. Lyre-leaved Rock Cress.
Rocky places. Rare. Eastern Manitoba.
- ovata** (Pursh) Mour. (A. hirsuta). Hirsute Rock Cress.
Rocks and waste places. Frequent. Iyleton north to Riding Mt. Nat.
Pk. and east to Ontario.
(8) Je. 2; My. 26 '26; Je. 7 '18; 35.

- retrofracta** Grah. (A. Holboellii). Reflexed Rock Cress.
 Dry prairie and hill-sides. Frequent. Birds Hill, Stony Mtn., Vivian.
 (15) My. 14; Ap. 29 '10; My. 26 '09; 44.
- Barbarea stricta** Andr. Winter Cress.
 Waste ground. Rare. Red Deer.
- vulgaris** R. Br. Scurvy Grass.
 Waste places. Not common. Ontario boundary area.
- Berteroa incana** (L.) DC. Hoary Alyssum.
 Waste ground, a garden escape. Rare. Stuartburn, Tolstoi.
- Brassica campestris** (L.) D.C. Rape.
 Fields and waste ground. Common.
- junceae** (L.) Cosson. Indian Mustard.
 Fields and waste ground. Common.
- nigra** (L.) Koch. Black Mustard.
 Fields and waste ground. Frequent.
- Cakile edentula** (Bigel.) Hook. American Sea Rocket.
 Sandy sea-shore. Churchill.
- Camelina microcarpa** Andr. Small-seeded False Flax.
 Waste ground. Frequent.
 (4) My. 27; My. 16 '22; Je. 6 '11; 41.
- sativa** (L.) Crantz. Large-seeded False Flax.
 Field and waste ground. Common.
- Capsella Bursa-pastoris** (L.) Medic. Shepherd's Purse.
 Cultivated and waste land. Very common.
 (6) My. 3; Ap. 20 '11; My. 11 '17; 48.
- Cardamine Douglassii** (Torr.) Britton. Purple Bitter Cress.
 Cold springs. Churchill.
- parviflora** L. Small-flowered Bitter Cress.
 Rocky situations. Rare. Ontario boundary.
- pennsylvanica** Muhl. Pennsylvania Bitter-cress.
 Waste ground. Occasional. Crystal City, Gimli.
- Cardamine pratensis** L. Meadow Bitter Cress.
 Wet places. Rare. Aweme.
- Cardaria Draba** (L.) Desv. Hoary Cress.
 Waste ground. Rare. Brandon.
- Cheirina aspera** (Nutt.) Rydb. Western Wall-flower.
 Dry sandy prairie. Common. Throughout southern Manitoba.
 (15) Je. 8; My. 17 '15; Je. 7 '07; 60.
- cheiranthoides** (L.) Link. Worm-seed Mustard.
 Moist places. Frequent as a weed in most places. North to Warren
 Landing.

- inconspicua** (S. Wats.) Rydb. Small-flowered Worm-seed Mustard.
Dry and sandy prairie. Common.
(16) Je. 8; My. 24 '11; Je. 24 '24; 60.
- Conringia orientalis** (L.) Dum. Hare's Ear Mustard.
Field and waste places. Frequent weed.
- Erysimum** see **Cheirina**.
- Diplotaxis muralis** DC. Sand Rocket.
Waste places. Has been reported from the south-eastern area.
- Draba Alpina** L. Alpine Whitlow Grass.
Arctic and alpine situations. Churchill.
- arabisans** Michx. (D. incana). Hoary Whitlow Grass.
Rocky banks. Churchill, Winnipegosis.
- caroliniana** Walt. Carolina Whitlow Grass.
Sandy prairie. Frequent in early June. Aweme, Elva, Melita, Tillston,
(19) Ap. 24; Ap. 14 '10; My. 21 '07; 40.
- fladnizensis** Wulfen. White Arctic Whitlow Grass.
Arctic and alpine situations. Churchill.
- lutea** Gilib. Yellow Whitlow Grass.
Prairie and hillsides. Probably common, often overlooked on account of
small size and early flowering, May and June. Carberry, Ethelbert,
Victoria Beach.
- nemorosa** L. Wood Whitlow Grass.
Hills and prairie. Frequent. Aweme, Birds Hill, Elva, Tillston, Melita
and east of Red R.
(20) Ap. 20; Ap. 13 '10; My. 14 '09; 33.
- hirta** L.
Rocky banks. Rare. Northern and eastern areas.
- Erucastrum Pollichii** Spenner. Dog Mustard.
Fields and waste ground. Rydb.
- Iodanthus pinnatifidus** (Michx.) Steud. Purple Rocket.
River-banks. Rare. Pipestone.
- Lepidium densiflorum** Schrad. (L. apetalum). Common Pepper Grass.
Prairie and waste ground. Common. Often a weed in gardens, etc.
- Fletcheri** Rydb. Fletcher's Pepper Grass.
Roadsides. Rare. Southern Manitoba.
- sativum** L. Garden Cress.
Escaped from cultivation in a number of places.
- Lesquerella arenosa** (Richards.) Rydb. Sand Bladder-pod.
Hills and prairie. Probably frequent in the west. Lauder.
- arctica** (Richards.) Wats. Arctic Bladder-pod.
Arctic. Common at Churchill.

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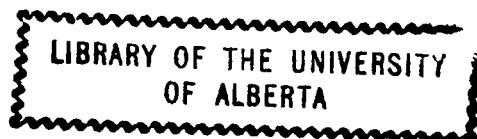
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- ludoviciana** (Nutt.) S. Wats. (*L. argentea*). Bladder-pod.
Prairies and hills. Common in the west, also at Birds Hill and Stony Mt.
(13) My. 9; Ap. 17 '10; Je. 2 '07; 41.
- spathulata** Rydb. Spathulate Bladder-pod.
Dry hills. Occasional. Aweme.
- versicolor** Greene. Varing Bladder-pod.
Stony hills. Rare. Rydb.
- Nasturtium officinale** R. Br. Water Cress.
Shallow streams. Occasional. Eastern area.
- Neslia paniculata** (L.) Desv. Ball Mustard.
Waste ground. Common in settled areas.
- Raphanistrum inocuum** Moench. Jointed Charlock.
Abandoned fields and waste land. Common.
- Rorripa hispida** (DC.) Britton. Hairy Marsh Cress
In water and wet places. Frequently found in and along the Assiniboine River.
- palustris** (L.) Besser. Marsh Water Cress.
In water and wet places. Common.
- Sinapsis alba** L. Charlock.
Waste ground. Common.
- arvensis** L. Wild Mustard.
Grain fields and waste land. Common weed in all settled areas.
- Sisymbrium altissimum** L. (*Norta altissima*). Tumbling Mustard.
Grain fields and abandoned land. Common weed in western Manitoba.
- Loeselii** L. Tall Hedge Mustard.
Roadsides and waste places. Rare. Brandon.
- Sophia intermedia** Rydb. Intermediate Tansy Mustard.
Grain fields. Common weed.
- Sophia multifida** Gilib. Flixweed, Green Tansy Mustard.
Grain fields and waste land. Common.
- Richardsoniana** (Sweet) Rydb. (*S. incisa*) (*Sisymbrium incisum*). Gray Tansy Mustard.
Moist and waste land. Common.
(6) Je. 2; My. 28 '11; Je. 9 '15; 36.
- Subularia aquatica** L. Awlwort.
A submerged aquatic in cold lakes. Rare. In lakes near Ontario-Manitoba boundary.
- Thlapsi arvense** L. Stink-weed, Penny Cress.
Field, gardens, roadsides, etc. A very common weed.
- Turritis glabra** L. Tower Mustard.
Waste ground. Occasional. Aweme, Stonewall, Vivian.
(6) Je. 11; Je. 8 '26; Je. 15 '10; 38.



CAPPARIDACEAE. Caper Family.

- Peritoma serrulata** (Pursh) DC. Spider Flower, Indian Pink.
Moist sandy prairie. Common in the south-west and occasional in other parts of the province. Sometimes grown in gardens.
- Polanisia graveolens** Raf. Clammy-weed
Sandy soil. Rare. Rydb.

DROSERACEAE. Sundew Family.

- Drosera intermedia** Hayne. Spathulate-leaved Sundew.
Sphagnum bogs. Rare. Porcupine Mt., at L. 53° N.
- linearis** Goldie. Slender-leaved Sundew.
Sphagnum bogs. Rare. Rosseau R.
- longifolia** L. Oblong-leaved Sundew.
Sphagnum bogs. Rare. Cumberland House and Riding Mt. Nat. Pk.
- rotundifolia** L. Round-leaved Sundew.
Sphagnum bogs. The most frequent of the sundews. Common in some small localities. Brereton, Gimli, McCreary, Riding Mt. Nat. Pk., Warren Landing, Waugh.

RESEDIACEAE. Mignonette Family.

- Reseda lutea** L. Yellow Cut-leaved Mignonette.
Waste ground. Found as a weed, following clover, at Beulah, 1940, Boissevain, 1943.

SARRACENIACEAE. Pitcher-plant Family.

- Sarracenia purpurea** L. Pitcher-plant.
Peat bogs. Occasional. Aweme, McGregor, Riverton, McCreary and a number of eastern and northern bogs.

PARNASSIACEAE. Grass of Parnassus Family.

- Parnassia americana** Muhl. American Grass of Parnassus.
Swamps. Rare. Flin-Flon and Shilo.
- palustris** L. Northern Grass of Parnassus.
Lake shores and wet places. Frequent. Belair, Grand Rapids, Swan River, shore of L. Winnipeg, Warren Landing, Waugh.
(8) Je. 29; Je. 24 '10; Jy. 12 '07.

SAXIFRAGACEAE. Saxifrage Family.

- Antiphylla oppositifolia** (L.) Fourr. Opposite-leaved Saxifrage.
Rocks and stony places. Churchill.
- Chondrosea Aizoon** (Jacq.) Haw. Live-long Saxifrage.
Wet rocks. Occasional. Flin-Flon, Riding Mt. Nat. Pk.

Chrysosplenium americanum Schw. Golden Saxifrage.

Wet shady places. Rare. Riding Mt. Nat. Pk., Pine Ridge.

Heuchera hispida Pursh. Alum Root.

Woods and prairie. Frequent. Birtle, Dropmore, Killarney, Lyleton, Oak Point, Sandilands, Tillston, Victoria Beach.

(14) Je. 8; Je. 1 '15; Je. 21 '24; 32.

—**Richardsonii** R. Br. Richardson's Alum Root.

Hills. Occasional. Waugh.

Leptasea aizoides (L.) Haw. Yellow Mountain Saxifrage.

Cold wet rocks. Occasional. Churchill and eastern area.

—**tricuspidata** (Retz.) Haw. Three-toothed Saxifrage.

Rocky places. Occasional. Warren Landing to Churchill.

Micranthes virginensis (Michx.) Small. Early Saxifrage.

Hills and rocky woodlands. Frequent. Birds Hill, Pine Ridge, Brereton, Victoria Beach.

Mitella diphylla L. Sessile-leaved Mitre-wort.

Moist woods. In Burman's check-list. Specimens in Burman collection do not give locality. No recent record.

—**nuda** L. Bishop's Cap.

Cold woods and peat bogs. Frequent. Bowsman, Swan R., Gimli, Treherne, Riding Mt. Nat. Pk., and eastern area.

(8) Je. 3; My. 25 '15; Je. 14 '23; 38.

Muscaria caespitosa (L.) Haw. Tufted Saxifrage.

Arctic and alpine situations. Churchill.

GROSSULARIACEAE. Gooseberry Family.

Grossularia Cynosbati (L.) Mill. Wild Gooseberry.

Rocky woods. Frequent. Rosburn, Riding Mt. Nat. Pk., Sandilands, Victoria Beach.

—**hirtella** (Michx.) Spach. Low Wild Gooseberry.

Moist woods and swamps. Occasional. Eastern Manitoba.

—**oxycanthoides** (L.) Mill. Northern Gooseberry.

Wet woods. Frequent. Gimli, Killarney, Morden, Roseisle, Pine Ridge, Riding Mt. Nat. Pk.

(12) My. 16; Ap. 28 '11; My. 21 '23; 60.

—**setosa** (Lindl.) Cov. & Britt. Bristly Gooseberry.

Damp woods and lake shores. Occasional. Flin Flon, Pembina Mt.

(8) My. 13; My. 5 '22; My. 19 '16; 57.

Limnobotrya lacustris (Pers.) Rydb. (*Ribes lacustre*). Swamp Currant.

Swamps. Occasional. Churchill, Riding Mt. Nat. Pk.

Ribes americanum Mill. (*R. floridum*). Wild Black Currant.

Moist woods. Common. Red R. and Assiniboine R. valleys and woods of eastern area, Gimli, Melita, Porcupine Mt., Riding Mt. Nat. Pk.

(13) My. 25; My. 13 '15; Je. 7 '24; 36.

- glandulosum** Weber. (*R. prostratum*). Skunk Currant, Fetid Currant.
Woods. Frequent. Cowan, Flin-Flon, Gimli, Killarney, Point-du-bois,
and Riding Mt. Nat. Pk.
- hudsonianum** Richards. Northern Black Currant.
Cold woods. Frequent in the North. Swan R., Winnipegosis, Victoria
Beach.
(4) My. 20; My. 16 '13; My. 27 '09; —.
- triste** Pall. American Red Currant.
Woods. Occasional. Aweme, Pine Ridge, Roseisle, Riding Mt. Nat. Pk.,
Spearhill.

ROSACEAE. Rose Family.

- Agrimonia gyrosepala** Wallr. Tall Agrimony.
Thickets. Occasional. Brereton, Rossburn, Victoria Beach.
- striata** Michx. Britton's Agrimony.
Small woods and roadsides. Rare. In a previous list without locality.
- Argentina Anserina** (L.) Rydb. Silverweed, Goose Tansy.
Moist open places. Common weed. Often mistaken for a buttercup.
(18) Je. 1; My. 21 '11; Je. 20 '07; 37.
- argentea** Rydb. Hoary Silverweed.
Moist places. Frequent. May readily be confused with the preceding
species but leaves are silvery on both sides.
- subarctica** Rydb. Northern Silverweed.
Wet places. Rydb.
- Chamaerhodos Nuttallii** Pickering. Chamaerhodos.
Hills and dry prairie. Occasional. Aweme, Arden.
(10) Je. 9; My. 20 '10; Je. 22 '09; 33.
- Comarum palustre** L. Marsh Cinquefoil.
Shallow water and bogs. Frequent. Flin Flon, Riding Mt. Nat. Pk.,
Pembina R., Stewart L. and in streams and lakes of eastern Manitoba.
- Dasyophora fruticosa** (L.) Rydb. Shrubby Cinquefoil.
Sandy places and rocky woods. Frequent. Gladstone, Keys, Riding
Mt. Nat. Pk., Silvertown, Stony Mt., Inwood and east of Red R. and L.
Winnipeg.
(10) Je. 17; Je. 11 '13; Je. 28 '08; 51.
- Dryas integrifolia** Vahl. Entire-leaved Avens.
Ridges and hills, arctic and alpine. Frequent in the north. Churchill
and Eskimo Pt.
- octopetala** L. White Mountain Avens.
Ridges and hills, arctic and alpine. Frequent in the north. Churchill
and Eskimo Pt.

Drymocallis agrimonioides (Pursh) Rydb. (*Potentilla arguta*).

White Cinquefoil.

Moist prairie. Frequent. Birtle, Dauphin, Lyleton, Stony Mt., Rossburn, Riding Mt. Nat. Pk., Victoria Beach.

(8) Je. 18; Je. 8 '11; Je. 30 '24; 33.

Fragaria americana (Porter) Britton.

American Wood Strawberry.

Moist woods. Frequent. Flin-Flon, Killarney, Pine Ridge, Riding Mt. Nat. Pk. Elongated conical fruit with exposed "seeds" or achenes.

—**canadensis** Michx.

Northern Strawberry.

Open woods. Frequent. Flin-Flon, Rossburn, Melita, Treherne, Victoria Beach. Fruit conical, achenes in deep pits.

—**glauca** (S. Wats.) Rydb.

Smooth Wild Strawberry.

Hillsides and prairie. Common. On most of the prairie, also at Churchill. Fruit subglobose.

(17) My. 12; Ap. 27 '10; My. 29 '24; 33.

—**pauciflora** Rydb.

Few-flowered Strawberry.

Hills. Occasional, perhaps frequent. Often confused with the preceding species. Fruit almost spherical and achenes in deep pits.

—**virginiana** Duchense.

Virginian Strawberry.

Moist grassland. Frequent. Killarney, Souris, Sandilands, Riding Mt. Nat. Pk., Waskada. Most early records of the Strawberries in Manitoba are for this species and probably include the last two or three here listed.

Geum macrophyllum Willd.

Large-leaved Avens.

Moist woods and grassland. Frequent in the eastern area.

(9) Je. 25; Je. 15 '11; Jy. 6 '07; 51.

—**rivale** L.

Purple Avens.

Swamps and moist grassland. Frequent. McMunn, Rossburn, Sundown, Waugh.

—**strictum** Soland.

Yellow Avens.

Moist prairie. Frequent. Gimli, Pine Ridge, Victoria Beach, Winnipeg.

Potentilla argentea L.

Silvery Potentilla.

Roadsides and waste ground. In previous lists without localities.

—**argyrea** Rydb.

Hoary Cinquefoil.

Prairie. Occasional. Near the Sask. border.

—**bipinnatifida** Dougl.

Plains Cinquefoil.

Dry prairie and hillsides. The commonest species of the genus found throughout Manitoba.

—**camporum** Rydb.

Prairie Cinquefoil.

Moist prairie. Occasional. Near the Sask. border. In earlier lists without localities.

—**concinna** Richards.

Early Cinquefoil.

Dry prairie and hills. Occasional. Aweme, Bede, Brandon. May be fairly frequent in west and overlooked on account of small size. Common in Sask.

(13) My. 1; Ap. 21 '10; My. 24 '07; 38.

- Potentilla divisa** Rydb. (*P. nivea* v. *dissecta*). Cut-leaved Cinquefoil.
Dry hills, alpine. Only recorded from Churchill but likely many other localities in the north.
- effusa** Dougl. Branched Cinquefoil.
Dry prairie and hills. Occasional. Coulter, Napinka and s.w. Manitoba.
- filipes** Rydb. Slender Cinquefoil.
Hillsides and valleys. Rydb.
- glabrella** Rydb. Glabrate Cinquefoil.
Hills. Rydb. Probably in Northern Manitoba.
- Hippiana** Lehm. Woolly Cinquefoil.
Hills, prairie. Frequent. Lyleton, Rossburn, Virden and Winnipeg.
- H. var. pulcherrima** S. Wats. See **P. pulcherrima**.
- millegrana** Engelm. Diffuse Cinquefoil.
Around lakes and river banks. Occasional. In earlier lists without localities.
- monspielensis** L. Rough Cinquefoil.
Dry soil and waste ground. Common, often occurring as a weed in gardens, etc.
(6) Je. 18; Je. 15 '11; Je. 23 '15; 30.
- multifida** L. Cut-leaved Cinquefoil.
Arctic and alpine situations. Churchill.
- paradoxa** Nutt. Bushy Cinquefoil.
Low ground. Rare. The Pas.
- pectinata** Raf. Coast Cinquefoil.
Sea coast. Churchill.
- pennsylvannica** L. Pennsylvania Cinquefoil.
Prairie. In a previous list without locality.
- pentandra** Engelm. Five-stamened Cinquefoil.
Sandy soil. Rare. Grand Rapids.
- platyloba** Rydb. Broad-leaved Cinquefoil.
Prairie. Rydb.
- pulcherrima** Lehm. Beautiful Cinquefoil.
Hills. Occasional. Birtle, Stony Mt.
- strigosa** Pall. Hairy Cinquefoil.
Prairie. Common.
(10) Je. 18; Je. 8 '10; Jy. 4 '07; 33.
- viridescens** Rydb. Green Cinquefoil.
Low places. Rydb.
- Rosa acicularis** Lindl. Prickly Rose.
Around woods. Common.
(14) Je. 7; My. 27 '15; Je. 18 '24; 75.
- alcea** Greene. Prairie Rose.
Prairie. Common in Western Manitoba.

- blanda** Ait. Smooth Rose.
Thickets. Frequent. Aweme, Winnipeg, Oak Pt., Waugh.
(15) J. 13; J. 8 '21; J. 28 '24; 75.
- Lunellii** Greene. Lunell's Rose.
Hills and prairie. Rydb.
- Macounii** Greene. Macoun's Rose.
River banks and small woods. Occasional. Fort Garry, Churchill.
- subblanda** Rydb. Pale-leaved Rose.
Thickets. Rare. Winnipeg.
- suffulta** Greene (R. arkansana, R. pratincola). Pubescent Rose.
Prairie. Occasional. Rossburn, Winnipeg.
(13) Je. 19; Je. 13 '11; Jy. 9 '07; 76.
- Woodsii** Lindl. Wood's Rose.
River banks and small woods. Occasional. Napinka, Winnipeg.
- Rubus acaulis** Michx. Stemless Raspberry.
Cold swamps and tundra. Churchill.
- arcticus** L. Arctic Raspberry.
Peat bogs, damp woods. Common. Eastern and northern Manitoba.
Waugh to Churchill and west to Riding Mt. Nat. Pk.
- Chamaemorus** L. Cloud Berry, Baked-apple Berry.
Cold Sphagnum bogs. Frequent in northern regions. Berens R. to
Churchill and west to Porcupine Mt. Has the largest fruit of the
Raspberries.
- nigrobaccus** Bailey. Blackberry.
Open woods. In western Ontario, Kenora and district. Should be
looked for in eastern Manitoba.
- pubescens** Raf. (R. triflorus). Dewberry, Creeping Raspberry.
Moist woods. Common.
(11) My. 27; My. 16 '10; Je. 2 '11; 26.
- strigosus** Michx. Common Wild Raspberry.
Woods and roadsides. Common. The common raspberry throughout
Manitoba has long been regarded as R. strigosus. Rubus melanolasius
Focke is the common raspberry in Sask. It is highly probable that
most records from western Manitoba are of the second species and that
R. strigosus is the common form in the eastern area.
- Sibbaldiopsis tridentata** (Solond) Rydb. (Potentilla tridentata).
Three-toothed Cinquefoil.
Dry sandy places, hills and rocks. Common in the eastern area, also
Flin-Flon, Sundown, Swan Lake.
- Sieversia ciliata** (Pursh) G. Don. Old Man's Whiskers.
Hilly places. In a previous list without locality. Very difficult to
separate from S. triflora, and perhaps not a distinct species.

- triflora** (Pursh) R. Br. (*Geum triflorum*). Three-flowered Avena.
Hills and prairie. Common. Birds Hill, Killarney, Melita, Rossburn,
Tillston, Victoria Beach and eastern area.

(21) My. 4; Ap. 15 '18; My. 24 '07; 48.

- Spiraea alba** Du Roi (*S. salicifolia*). Narrow-leaved Meadow-sweet.
Moist prairie and thickets. Frequent. Bede, Killarney, Lyleton, Oak
Pt., Tillston and eastern area.

(10) Je. 28; Je. 19 '11; Jy. 9 '07; 68.

- tomentosa**. Hardhack, Pink Spiraea.

Wet places. Rare. Eastern boundary, also cultivated.

MALACEAE. Apple Family.

- Amelanchier alnifolia** Nutt. Common Saskatoon Berry.

Prairie and hills and around woods. Common.

- canadensis** (L) Medic. Eastern Saskatoon Berry.

Small woods. Occasional.

Eastern area.

- sanguinea** (Pursh) DC. Shad-bush.

Woods. Rare. At present only recorded from Aweme.

(20) My. 16; My. 4 '18; Ju. 9 '07; 48.

- Crataegus chrysocarpa** Ashe. Round-leaved Hawthorn.

Banks. Frequent in Western Manitoba. Occasional in the eastern
portion.

- succulenta** Schrad. Long-spined Hawthorn.

Hillsides and banks. This species is probably the more common species
in this province. All Hawthorns in Manitoba were one time regarded
as *C. coccinea* L. which belongs to the eastern U.S.A.

- Sorbus americana** Marsh. (*Pyrus americana*). American Mountain Ash.
Rowan Tree.

Woods. Occasional. Victoria Beach to Ontario.

- scopolina** Greene. Western Mountain Ash, Rowan Tree.

Hillsides and ravines. Occasional. Riding Mt. Nat. Pk., Swan R.

AMYGDALACEAE. Plum Family.

- Prunus americana** Marsh. American Wild Plum.

Riverbanks, thickets and moist woods. Occasional. Morden, Swan
Lake Res., Winnipeg, Waugh.

- Besseyi** Bailey. Western Sand Cherry.

Sand hills. Occasional. Lauder, Oak Lake, Virden.

- nana** Du Roi. (*P. virginiana*). Red Choke Cherry.

River banks and woods. Common.

(16) My. 28; My. 16 '26; Je. 10 '24; 72.

- nigra** Ait. Canada Plum.

Woods and thickets. Occasional. Often confused with *P. americana*.
Aweme.

(15) My. 16; My. 5 '10; Je. 7 '07; 108.

- pennsylvanica** L. Pin Cherry, Bird Cherry.
Open woods, rocky places. Common.
(20) My. 17; My. 4 '10; Je. 7 '07; 60.
- pumila** L. Common Sand Cherry.
Sandy shores. Common. Around south end of L. Winnipeg, Sandilands
and eastern area.
(17) My. 17; Ap. 28 '10; My. 21 '23; 60.

FABACEAE. Pea Family.

- Acemispou americanus** (Nutt.) Rydb. Prairie Bird's-Foot Trefoil.
Sandy prairie. Rare. South-western area.
- Amorpha canescens** Pursh. Lead Plant, Hairy False Indigo.
Dry prairie. Occasional. Birds Hill.
- fruticosa** L. False Indigo, River Locust.
River banks. Occasional. Red R. from Emerson to Selkirk.
- fragrans** Sweet. Fragrant False Indigo.
Banks of streams. Rare. Rydb.
- nana** Nutt. (A. microphylla). Dwarf False Indigo.
Prairie and hillsides. Frequent. Birds Hill, Stony Mt., Melbourne,
Rock Lake.
(6) Je. 22; Je. 16 '24; Je. 30 '08; 60.
- Amphicarpa comosa** (L) Neewl. & Lunell. (A. monoica). Hog Peanut.
Woods and thickets. Frequent. Red R. and Assiniboine R. valleys.
- Astragalus agrestis** Dougl. Field Milk Vetch.
Moist prairie. Rydb.
- canadensis** L. Canadian Milk Vetch.
Riverbanks and hillsides. Frequent. Lyleton, Rossburn, Tillston, Tiger
Hills, Souris Valley, Victoria Beach, Winnipeg.
(7) Jy. 1; Je. 24 '13; Jy. 9 '07; 48.
- goniatus** Nutt. (A. hypoglottis). Purple Milk Vetch.
Moist prairie. Common. Throughout southern Manitoba, also north to
Churchill.
(16) My. 21; My. 7 '10; Je. 13 '07; 60.
- striatus** Nutt (A. adsurgens). Ascending Milk Vetch.
Prairie and hills. Common. Gimli, Morden, Roseisle, Winnipeg.
(18) Je. 18; Je. 14 '26; Jy. 2 '24; 41.
- Atelophragma aboriginum** (Richards.) Rydb. Indian Milk Vetch.
Hills. Occasional. Gimli, Rossburn, Turtle Mt.
- alpinum** (L.) Rydb. Arctic or Alpine Milk Vetch.
Arctic and alpine situations. Occasional. H. B. Ry., Vista.

- Herriotii** Rydb. Herriot's Milk Vetch.
Hillsides. Rydb.
- Batidophaca lotiflora** (Hook.) Rydb. Low Milk Vetch.
Prairie. Rare. Carberry.
- Cnemidophacus pectinatus** (Hook.) Rydb. Narrow-leaved Milk Vetch.
Dry prairie. Common. Lauder, Lyleton, Melita, Tilston.
- Cracca virginiana** L. Goat's Rue.
Sandy soil. Rydb.
- Diholcus bisulcatus** (Hook.) Rydb. Bisulcate Milk Vetch.
Moist prairie and valleys. Common. Alexander, Gimli, Inwood, Lyleton, Reston, Rossburn, Victoria Beach, Winnipeg.
- Geoprimum crassicaupum** (Nutt.) Rydb. Ground Plum, Buffalo Bean
Prairie and hills. Frequent. Birds Hill, Stony Mt., Lyleton, Melita, McCreary, Napinka, Nesbitt, Pierson.
(16) My. 15; My. 5 '11; Je. 2 '24; 67.
- Glycyrrhiza lepidota** Nutt. Wild Licorice.
Around woods, river banks and moist prairie. Frequent. Birtle, Waskada plains, Tillston, Killarney, Emerson, Holmfild, Victoria Beach, Winnipeg.
(10) Je. 30; Je. 24 '11; Jy. 11 '07; 58.
- Hedysarum americanus** (Michx.) Britt. American Hedysarum.
Open woods and rocky places. Occasional. Birtle, Dunrea, Roblin, Riding Mt. Nat. Pk.
- boreale** Nutt. Northern Hedysarum.
Banks and thickets. Occasional. Birtle, Churchill, Minnedosa.
- Mackenzii** Richards. McKenzie's Hedysarum.
Moist cold grassland. Rare. Churchill, Hayes R.
- Homalobus tenellus** (Pursh) Britt. Spreading Milk Vetch.
Hills. Occasional. South-western area.
- Lathyrus maritimus** (L.) Bigel. Beach Sweet Pea.
Sea beach and lake shore. Common around south end of L. Winnipeg, also found around L. Manitoba, and at Churchill on shore of Hudson Bay.
- myrtifolius** Muhl. Myrtle-leaved Sweet Pea.
Wet places. Rydb.
- ochroleucus** Hook. Creamy Sweet Pea.
Woods and river banks. Common.
(18) Je. 1; My. 21 '11; Je. 13 '24; 49.
- palustris** L. Marsh Sweet Pea.
Wet places and lake shores. Frequent in restricted localities. Aweme, Ericksdale, Inwood, Poplarfield and around L. Winnipeg.
(5) Je. 18; Je. 5 '09; Jy. 5 '08; 41.

- venosus** Muhl. Veiny Sweet Pea.
 River banks and open woods. Common.
 (13) Je. 16; Je. 5 '09; Je. 30 '24; 48.
- Medicago falcata** L. Yellow Alfalfa.
 Waste ground. Frequent. Escaped from cultivation.
- lupulina** L. Black Medic.
 Fields, gardens and waste ground. Common.
- sativa** L. Purple Alfalfa, Lucerne.
 Field, roadsides, around fences. Frequent. Escaped from cultivation.
- Meibomia canadensis** (L.) Kuntze. Tick Trefoil.
 River banks and thickets. Rare. Norway House.
- Melilotus alba** Desv. White Sweet Clover.
 Roadsides, etc. Escaped from cultivation. Common.
- officinalis** (L.) Lam. Yellow Sweet Clover.
 Roadsides, etc. Escaped from cultivation. Common.
- Orophaca caespitosa** (Nutt.) Britt. Caespitose Milk Vetch.
 Dry sands and gravelly hills. Rare. Reston, Lyleton.
- Oxytropis albertina** (Greene) Rydb. Alberta Locoweed.
 Exposed rocks. Rydb.
- deflexa** (Pall.) DC. Flexuose Locoweed.
 Cool damp places. Rare. Angusville.
- glabrata** (Hook.) A. Nels. Glabrate Locoweed.
 Open places. A northern form. Rydb.
- gracilis** (A. Nels.) K. Schum. Late Yellow Locoweed.
 Open woods. Occasional. Churchill, Goodlands.
- Lambertii** Pursh. Lambert's Locoweed.
 Dry prairie. Rare east. Common west. Aweme, Birtle, Killarney, Melbourne, Rosburn.
 (12) Je. 7; My. 27 '15; Je. 13 '09; 50.
- Richardsonii** (Hook.) K. Schum. Wooly Locoweed.
 Hills and prairie. Rare. Cumberland House, Churchill.
- splendens** Dougl. Showy Locoweed.
 Hills and prairie. Common in west. Birtle, Swan Lake, Fisher Branch, Riding Mt. Nat. Pk.
- Fedimelum esculentum** (Pursh) Rydb. (*Psoralea esculenta*). Indian Bread-root.
 Prairie. Common.
 (10) Je. 19; Je. 4 '26; Je. 20 '09; 41.
- Petalostemon candidus** (Willd.) Michx. White Prairie Clover.
 Prairie. Common. Aweme, Belmont, Brenda, Killarney, Lyleton, St. Laurent, Westbourne.
 (9) Je. 29; Je. 23 '13; Jy. 10 '15; 50.

- purpureus** (Vent.) Rydb. Purple Prairie Clover.
Hills and prairie. Common. Birds Hill, Stony Mt., Baldur, Killarney,
Lyleton, Rossburn.
(8) Jy. 5; Je. 30 '10; Jy. 9 '06; 55.
- villosus** Nutt. Hairy Prairie Clover.
Sand hills. Occasional. Aweme, Baldur, Glenboro. '
(4) Jy. 13; Jy. 10 '10; Jy. 18 '06; —.
- Phaca americana** (Hook.) Rydb. Arctic Milk Vetch.
Wet woods and along streams. Rare. H. B. Ry.
- Pisophaca flexuosa** (Dougl.) Rydb. (*Astragalus flexuosa*). Flexile Milk Vetch.
Prairie. Common. Probably the commonest of the milk vetches.
(8) Je. 10; My. 24 '11; Je. 16 '15; 32.
- Psoralidium argophyllum** (Pursh) Rydb. Silver-leaf Psoralia
Prairie. Common. Aweme, Killarney, Lyleton, Melita, Morris, Sydney.
Winnipeg.
(7) Jy. 2; Je. 29 '10; Jy. 8 '09; 53.
- Tium Drummondii** (Dougl.) Rydb. Drummond's Milk Vetch.
Prairie and hills. Occasional. Angusville.
- Thermopsis rhombifolia** (Nutt.) Richards. Golden Pea.
Sandy places on prairie, particularly in draws. Aweme, Hargrave,
Lyleton, Tillston.
(4) Je. 11; My. 28 '10; Je. 17 '15; 32.
- Trifolium hybridum** L. Alsike Clover.
Pastures and waste ground. Common.
- pratense** L. Red Clover.
Pastures, roadsides, etc. Common.
- procumbens** L. Low Yellow Clover.
Fields and waste ground. Rare. Margaret.
- repens** L. White Clover.
Pastures, gardens, etc. Very common.
- Vicia americana** Muhl. American Vetch.
Moist prairie, particularly around woods and in thickets. Common.
(16) Je. 4; My. 27 '11; Je. 16 '07; 37.
- angustifolia** (L.) Reichard. Smaller Common Vetch.
Fields and meadows. Rare. Fort Garry.
- Cracca** L. Tufted Vetch.
Dry places. Occasional. Middlechurch, Selkirk.
- sparsifolia** Nutt. Narrow-leaved Vetch
Prairie and around small woods. Occasional. Alexander, Aweme,
Lyleton.
(9) My. 26; My. 20 '15; Je. 9 '24; 42.

GERANIACEAE. Geranium Family.

- Erodium cicutarium** (L.) L'Her. Storkbill.
Fields and waste ground. Occasional. Dufresne, Lockport, Winnipeg.
- Geranium Bicknellii** Britton. Cranebill, Bicknell's Geranium.
Moist prairie. Frequent. Morris, Victoria Beach, Warren Landing, Winnipeg.
- carolinianum** L. Carolina Geranium.
Moist prairie and burnt woods. Frequent. Eastern area, also Rossburn.
- maculatum** L. Spotted Cranebill.
Fields and open woods. Occasional. Eastern area, also Shoal Lake.
- pusillum** Burm. Small-flowered Cranebill.
Waste ground. Occasional. Winnipeg.
- Robertianum** L. Robert's Cranebill.
Woods. Occasional. Eastern area.
- strigosum** Rydb. Strigose Geranium.
Woods. Rare. Fort Garry.

OXALIDACEAE. Oxalis Family.

- Xanthoxalis corniculata** (L.) Small. Creeping Wood-sorrell.
Gardens, farms and waste ground. Frequent in and around Winnipeg.
- stricta** (L.) Small. Upright Wood-sorrell.
Woods, gardens, etc. Common.
(5) Je. 6; My. 27 '15; Je. 13 '09; —.

LINACEAE. Flax Family.

- Cathartolinum rigidum** (Pursh) Small. Large Yellow-flowered Flax.
Hills and prairie. Occasional. Killarney, Morris, Treherne.
- sulcatum** (Riddell) Small. Grooved Yellow Flax.
Dry sandy soil. Occasional. Killarney, Treesbank, Tiger Hills, Virden.
- Linum Lewisii** Pursh. Lewis' Wild Flax.
Hills and prairie. Frequent. Killarney, Rossburn, Glenboro, Waskada and Souris plains.
(12) Je. 8; Je. 1 '22; Je. 19 '07; 33.
- pratense** (Norton) Small. Meadow Wild Flax.
Dry plains. Occasional. Deloraine.
- usitatissimum** L. Common Field Flax.
Around fields and waste land. An escape from cultivation.

BALSAMINACEAE. Jewel-weed Family.

- Impatiens biflora** Walt. Spotted Touch-me-not.
River banks, lake shores, moist shaded woods. Common. Eastern area and Delta, Gimli, Riding Mt. Nat. Pk.

- pallida** Nutt. Pale Touch-me-not.
Lake shores and shaded woods. Frequent. Aweme, Riding Mt. Nat. Pk.
and eastern area.

POLYGALACEAE. Milkwort Family.

- Polygala Senega** L. Seneca Snake-root, Senega-root.
Dry soil. Frequent on prairie. Argyle, Matlock, Rossburn, Riding Mt.
Nat. Pk., Stony Mt.
(7) Je. 7; Je. 3 '11; Je. 29 '09; 35.
- paucifolia** Willd. Fringed Milkwort.
Moist woods. Occasional. Gimli, Inwood, Glenboro, Spearhill, Ochre
R., Steinbach, Vivian.
(4) My. 24; My. 19 '15; My. 27 '09; —.
- polygama** Walt. Racemed Milkwort.
Sandy soil. Rydb. Probably limited to south-east.
- verticillata** L. Whorled Milkwort.
Dry soil. Rare. Stony Mt.

EUPHORBIACEAE. Spurge Family.

- Chamaesyce glyptosperma** (Engel.) Small. Ridge-seeded Spurge.
Sandy soil. Weed on sandy farm land and occasionally in gardens.
Lyleton, Morris, Winnipeg.
- serpyllifolia** (Pers.) Small. Thyme-leaved Spurge.
Dry soil and prairie. Common weed in many gardens.
- Galarrhoeus Cyparissias** (L.) Small. Cypress Spurge
Waste ground. Garden escape. Sturgeon Creek.
- Helioscopia** (L.) Haw. Wartwort.
Waste ground. Rydb.
- lucidus** (Waldst. & Kit.) Rydb. Shining Spurge.
Fields and gardens. Rare. Gretna.
- Pepulus** (L.) Haw. Petty Spurge.
Waste ground. Rydb.
- platyphyllus** (L.) Haw. Broad-leaved Spurge.
Lake shore and river banks. Rydb.
- virgata** (Wald. and Kit.) Rydb. (**Tithymalus Esula**). Leafy Spurge.
(Rhod. 89:49, Feb. 1937). Waste ground. A common and serious weed
in some localities.
- Lepadena marginata** (Pursh) Niewl. Snow-on-the-Mountain.
Prairie and river valleys. Escape from gardens. Native in Minn. and
southern U.S.A.

CALLITRICHACEAE. Water Starwort Family.

- Callitriche autumnalis**, L. Northern Starwort.
Shallow water. Occasional. In some sheltered bays and lagoons around
L. Winnipeg.

- heterophylla** Pursh. Larger Starwort.
Shallow water or mud. Occasional. Pembina R.
- palustris** L. Vernal Starwort.
Shallow water. Occasional. Eastern area, Flin Flon.

CELASTRACEAE. Staff-tree Family.

- Celastrus scandens** L. Climbing Bittersweet.
Woods, particularly along streams. Common s. and e., also Beaconsfield, Deerwood and Riding Mt. Nat. Pk.

EMPETRACEAE. Crowberry Family.

- Empetrum nigrum** L. Crowberry.
Bogs and sandy places. Occasional in eastern area. Common in the north. Victoria Beach to Churchill.

ANACARDACEAE. Sumach Family.

- Rhus glabra** L. Smooth Sumac.
Dry soil. Occasional. East of Red R., Lizard Lake, Rossenfield and near escarpment at Thornhill.
- Toxicodendrom radicans** (L.) Kuntze. Poison Ivy, Poison Oak.
Woods and thickets. Common in most woods. A trifoliate leaf with variable leaflets.
(8) Je. 16; Je. 3 '09; Je. 21 '07; 77.

ACERACEAE. Maple Family.

- Acer rubrum** L. Red Maple.
Low ground. Rare. Reaches its western limit in the Ontario-Manitoba boundary area.
- Saccharum** Marsh. Sugar Maple.
Moist woods. Rare. Western limit of distribution in the s.e. corner of Manitoba.
- spicatum** Lam. Mountain Maple.
Rocky woods. Common. S.e. area and Riding Mt. Nat. Pk.
- Negundo interius** (Britt.) Rydb. (Negundo aceroides). Manitoba Maple.
Box Elder.
In woods, chiefly along streams. Common in southern Manitoba.
(18) My. 1; Ap. 13 '10; My. 27 '07; 102.

RHAMNACEAE. Buckthorn Family.

- Ceanothus americana** L. New Jersey Tea.
Woods and hillsides. Rare. South-eastern area.
- ovatus** Desf. Smaller Redroot.
Sandy soil. Rare. Southern boundary area.

- Rhamnus alnifolia** L'Her. Alder-leaved Buckthorn.
Swamps. Frequent. Cowan, Flin Flon, Inwood, McCauley, Pine Ridge.
Riding Mt. Nat. Pk., Victoria Beach.
(8) Je. 1; My. 23 '14; Je. 8 '12; 52.

VITACEAE. Grape Family.

- Pseodera quinquefolia** (L.) Greene. Virginian Creeper.
Woods and banks. Occasional. Graysville, Carman, Miami, Winnipeg.
—**vitacea** (Knerr) Greene. Large-toothed Virginian Creeper.
Woods and banks. Occasional. Morris, Riding Mt. Nat. Pk.
Vitis palmata Vahl. Missouri Grape.
Rocky places and river banks. Reported from Lyleton, possibly confused with the next species.
—**vulpina** L. Common Wild Grape.
Woods, particularly along river banks. Occasional. Morris, Riding Mt. Nat. Pk., Victoria Beach, Winnipeg.

TILIACEAE. Basswood Family.

- Tilia americana** L. Basswood, Linden, Lime Tree.
Woods. Occasional. Red R. valley and top of escarpment n.w. of Miami.

MALVACEAE. Mallow Family.

- Hibiscus Trionum** L. Bladder Hibiscus.
Waste ground. Occasional. Garden escape. Grand Rapids, Lyleton, Miami and Winnipeg.
Malva rotundifolia L. Mallow, Cheeses.
Waste ground, roadsides. Common farm and garden weed.
Sphaeralcea coccinea (Nutt.) Rydb. (*Malvastrum coccineum*). Scarlet Mallow
Dry prairie, sandy valleys and hills. Frequent. Alexander, Crystal City, Killarney, Lyleton, Stony Mt.
(4) Je. 7; My. 28 '10; Je. 14 '12; 36.

HYPERICACEAE. St. John's-Wort Family.

- Hypericum Ascyron** L. Giant St. John's-wort
River banks. Occasional. Eastern area.
—**canadense** L. Canadian St. John's-wort
Wet places. Occasional. Brereton, Whitemouth, Stony Mt.
—**ellipticum** Hook. Pale St. John's-wort
Moist places. Rare. Eastern area.
—**majus** L. Larger St. John's-wort
Wet places. Rare. Southern border.

- mutilum** L. Dwarf St. John's-wort.
 Low ground. Occasional. Eastern area to Minaki, Ont.
- perforatum** L. Common St. John's-wort.
 Fields and waste ground. Occasional. Winnipeg.
- Triadenum virginicum** (L.) Raf. Marsh St. John's-wort.
 Swamps. Occasional. Around L. Winnipeg, H. B. Ry. and Waugh.

CISTACEAE. Rock-Rose Family.

- Crocanthemum majus**. (L.) Britt. (*Helianthemum canadense*).
 Frostweed, Canadian Rock-rose.
 Sandy and stony places. Occasional. McGregor, Oak Lake, Stony Mt., Waugh.
- Hudsonia tomentosa** Nutt. False Heather, Beach Heather.
 Sandy shores and pine lands. Occasional. Hadashville, Reynolds, Sandilands, Victoria Beach.
- Lechea minor** L. Thyme-leaved Pin-weed.
 Dry open ground. Rare. Eastern boundary.
- stricta** Leggett. Prairie Pin-weed.
 Dry places. Rare. Eastern area.

VIOLACEAE. Violet Family.

- Viola adunca** Smith. Early Blue Violet, Hooked Violet.
 Hillsides and gravelly beaches. Frequent. Ethelbert, Fork R., Langruth, St. Rose, and beaches around L. Winnipeg.
- blanda** Willd. Sweet White Violet.
 Ravines and shaded slopes. Rare. Eastern area.
- canadensis** L. Canada Violet.
 Moist woods. Common in most woods throughout the southern half of Manitoba.
 (16) My. 17; My. 5 '10; Je. 2 '24; 57.
- conspersa** Reichenb. American Dog Violet.
 Shaded places and grassland. Frequent. Eastern area, Morden, Roseisle, Winnipeg.
 (21) My. 6; Ap. 20 '10; My. 28 '24; 61.
- cucullata** Ait. Marsh Blue Violet.
 Wet places. Frequent. McCreary, Morden, Winnipeg.
- eriocarpa** Schw. (*V. scabriuscula*). Smooth Yellow Violet
 Open woods. Occasional. Morden, St. Rose.
- nephrophylla** Greene. Northern Dog Violet.
 Bogs and edges of cold streams. Occasional. Warren Landing, and north to Churchill.
 (6) My. 13; My. 6 '10; My. 18 '16; 45.

- Nuttallii** Pursh. Nuttall's Yellow Violet
Dry prairie and hills. Frequent. Graysville, Melita, Tillston, Souris
plains and Waskada plain.
- pallens** (Banks) Brainerd. Northern White Violet
Cold bogs. Frequent. Brereton, Bowsman R., Victoria Beach, Waugh
- palustris** L. Marsh Violet.
Cold bogs and along streams. Rare. Eastern area.
- pedata** L. Bird's-foot Violet.
Dry prairie. Frequent. South-west Manitoba.
- pedatifida** G. Don. Larkspur Violet.
Prairie. Common. Aweme, Carberry, Birtle, Melita, Morden, Tillston,
Turtle Mt., Souris, and Waskada plains.
(15) My. 21; My. 7 '10; Je. 6 '07; 22.
- pubescens** Ait. Downy Yellow Violet
Moist woods. Frequent. Fork R., Rosburn, Treherne, Gimli, Win-
nipeg Beach, Victoria Beach, Winnipeg.
(10) My. 30; My. 16 '26; Je. 3 '13; 57.
- renifolia** Gray. Kidney-leaved Violet.
Cold northern bogs. Frequent. Aweme, Kenville, Norway House,
Riding Mt. Nat. Pk., Warren Landing.
(6) My. 14; Ap 26 '06; My. 31 '07; —.
- rugulosa** Greene. Rydberg's Violet.
Woods. Rare. Kenville.
- septentrionalis** Greene. Northern Blue Violet.
Woods. Occasional. Eastern boundary, Roseisle, and Victoria Beach.
An easily cultivated plant.
- sororia** Willd. Woolly Blue Violet
Moist meadows. Rare. Recorded only from Aweme.
(10) My. 19; My. 6 '10; Je. 6 '07; 22.
- subvestia** Greene. (V. arenaria). Sand Violet.
Sandy soil. Occasional. Morden, Roseisle, Waugh.

LOASACEAE. Loasa Family.

- Nuttallia decapetala** (Pursh) Greene. Cactus Lily, Sand Lily
Dry hills and banks. Rare. Boissevain.

CACTACEAE. Cactus Family.

- Neomamillaria missouriensis** (Sweet) Britt. & Rose.
Yellow Pincushion Cactus.
Dry prairie. In earlier records, but no specimens recorded for a num-
ber of years. May have been confused with the following species
Flowers yellow.

—**vivipara** (Nutt.) Britt. & Rose. Purple Pincushion Cactus.
Dry prairie and sand hills. Common in suitable habitats. Lauder, Oak Lake, Virden and the south west. Flowers purple.

Opuntia fragilis (Nutt.) Haw. Fragile Opuntia.
On rock and sand hills. Frequent in the eastern area and rare west of Red R.

—**polyacantha** Haw. Common Opuntia.
Dry prairie and hills. Occasional. Lauder to Sask. also a few places on the escarpment west of Morden, Shilo.

ELAEAGNACEAE. Oleaster Family.

Elaeagnus commutata Bernh. (*E. argentea*). Silver Berry, Wolf Willow.
On prairie, particularly sandy areas and some rocky regions. Very common.

(9) Je. 1; My. 27 '11; Je. 12 '16; 89.

Shepherdia argentea Nutt. Thorny Buffalo-berry.
Woods and banks. Occasional. Aweme, Treherne.

(10) My. 4; Ap. 5 '10; My. 24 '08; 107.

—**canadensis** (L.) Nutt. Low Buffalo-berry.
River banks. Frequent. Gimli, Inwood, Rossburn, Riding Mt. Nat. Pk., Stockton, Churchill.

(16) Ap. 29; Ap. 16 '18; My. 26 '07.

ONAGRACEAE. Evening Primrose Family.

Anogra albicaulis (Pursh) Britt. Prairie White Evening Primrose.
Hillsides and sandy soil. Occasional. Elm Creek, Glenboro, Treherne, Virden.

—**Nuttallii** (Sweet) A. Nels. Nuttall's White Evening Primrose.
Sandy soil. Occasional. Glenboro, Shilo.

Chamaenerion latifolium (L.) Sweet. Broad-leaved Fire-weed.
Wet places and along streams. Occasional. Churchill R.

—**spicatum** (Lam.) S. F. Gray (*Epilobium angustifolium*). Fire Weed, Willow Herb.

Edges of woods and burnt-over ground. Common. Eastern area, northern area, also Baldur, Beaconsfield, Ponemah, Rossburn, and Riding Mt. Nat. Pk.

(11) Je. 30; Je. 24 '11; Jy. 10 '07; 42.

Circaea alpina L. Small Enchanter's Nightshade.
Cold woods. Frequent, in eastern and northern regions. Gimli, Rossburn, Riding Mt. Nat. Pk., Swan R., Victoria Beach.

—**lutetiana** L. Common Enchanter's Nightshade.
Open woods. Occasional. Ontario boundary.

- Epilobium adenocaulon** Haussk. Northern Willow Herb.
Wet places. Frequent. Aweme, Birtle, Delta, Morden, Reston, Victoria Beach.
- coloratum** Muhl. Purple-leaved Willow Herb.
Low ground. Rare. South-eastern area.
- lineare** Muhl. Linear-leaved Willow Herb.
Swamps. Rare. South-eastern area.
- Epilobium oliganthum** Michx. Bog Willow Herb.
Bogs. Rare. Eastern area.
- paniculatum** Nutt. Panicked Willow Herb.
Sandy soil. Rare. Southern border region.
- strictum** Muhl. Downy Willow Herb.
Bogs and wet meadows. Rare. Eastern border region.
- Gaura coccinea** Nutt. Scarlet Gaura, Butterfly-weed.
Prairie and hillsides. Frequent. Aweme, Birtle, Killarney, Clearwater, Melita, Stony Mt., Wawanesa.
(4) Je. 10; Je. 1 '11; Je. 20 '06; 36.
- Isnardia palustris** L. Marsh Purslane.
Mud and shallow water. Rare. In earlier lists without locality.
- Kneiffia fruticosa** (L.) Raimann. Common Sundrops.
Dry sandy soil. Rare. Reported from Victoria Beach.
- perennis** (L.) Pennell (K. pumila). Small Sundrops.
Dry prairie and hillsides. Occasional. Killarney, Stony Mt.
- pratensis** Small. Meadow Sundrops.
Low ground. Occasional. Birds Hill.
- Lavauxia flava** A. Nels. Yellow Lavauxia.
Dry soil. Rare. South-west corner.
- triloba** (Nutt.) Spach. In an earlier check list without locality. Probably an error, confused with *Pachylophus*.
- Meriolix intermedia** Rydb. Intermediate Meriolix.
Dry soil. Recorded by Rydb.
- serrulata** (Nutt.) Walp. Toothed Evening Primrose.
Dry prairie and hills. Frequent. Aweme, Birtle, Clearwater, Napinka, Rossburn, Treherne, Stony Mt., Virden.
(12) Je. 23; Je. 13 '11; Jy. 6 '16; 46.
- Oenothera biennis** L. Yellow Evening Primrose.
Dry places. Common throughout southern Manitoba, sometimes becoming a weed.
(9) Je. 30; Je. 18 '11; Jy. 12 '07; 58.
- strigosa** (Rydb.) Mack. & Bush. Western Yellow Evening Primrose.
Sandy places and valleys. Frequent in western Manitoba. Regarded by some authorities as a variety of the preceding species.
- Pachylophus caespitosus** (Nutt.) Raim. Mountain Evening Primrose.
Hills. Rare. Birds Hill, Reston.

HALORAGIDACEAE. Water Milfoil Family.

- Hippuris vulgaris** L. Mare's-tail.
Ponds, and along slow creeks. Frequent. Gimli, Marchand, Netley, Riding Mt. Nat. Pk., Waugh.
- Myriophyllum spicatum** L. Spiked Water Milfoil.
Still water and slow streams. Frequent. L. Brereton, Shoal L. (G.W.W.D.), L. Manitoba, Netley L., Rock L., Shoal L., (west), La Salle R., Mafeking.
- verticillatum** L. Whorled Water Milfoil.
Still water and slow streams. Rare. Porcupine Mt., Sturgeon Creek.

ARALIACEAE. Ginseng Family.

- Aralia hispida** Vent. Bristly Sarsaparilla.
Open woods and moist sand around woods. Common. Eastern area north to Norway House, Flin Flon.
- nudicaulis** L. Smooth Sarsaparilla.
Woods. Common. More or less throughout Man.
(18) My. 29; My. 20 '11; Je. 13 '07; 57.
- racemosa** L. American Spikenard.
Woods. Rare. Gimli, Victoria Beach, Waugh.
- Panax quinquefolium** L. Ginseng.
Rich woods. Rare. South-eastern area.

AMMIACEAE (Umbelliferae). Carrot Family.

- Carum Carui** L. Caraway.
Waste ground. Escaped from cultivation. Birtle, Gimli, Rossburn, Stony Mt.
- Cicuta bulbifera** L. Bulb-bearing Water Hemlock.
Swamps. Frequent. Assiniboine R. banks, Gimli and eastern area.
- maculata** L. Water Hemlock.
Swamps. Frequent. Assiniboine R. banks and eastern area.
- Cogswellia foeniculacea** (Nutt.) Coult. & Rose. Hairy Parsley.
Prairie. Rare. McGregor.
- macrocarpa** (Nutt.) M. E. Jones. Long-fruited Parsley.
Prairie and hills. Recorded by Rydb.
- orientalis** (Coult. & Rose) M. E. Jones. White-flowered Parsley.
Dry prairie. Rare. Clearwater Creek and south-western Man.
- villosa** (Raf.) Schultes. Hairy-fruited Parsley.
Banks and plains. Rare. Morden and Roseisle.
- Cryptotaenia canadensis** (L.) DC. Honeywort.
Woods. Rydb.
- Cymopterus acaulis** (Pursh) Rydb. Plains Cymopterus.
Dry prairie. Rare. Aweme, Rock Lake.
(4) Ap. 30; Ap. 24 '13; My. 21 '24.

- Heracleum lanatum** Michx. Cow Parsnip.
Wet ground. Frequent. Birtle, Killarney, Melita, Tiger Hills, Turtle Mt., Rosssburn, Shoal Lake, Winnipeg.
- Musineon divaricatum** (Pursh) Coult. & Rose. Leafy Musineon.
Dry prairie and hills. Occasional. Morden, Pembina Mt., Roseisle.
- Osmorrhiza Claytoni** (Michx.) Clarke. Hairy Sweet Cicely.
Shaded hills and woods. Occasional. Winnipeg.
- divaricata** Nutt. Hairy Sweet Cicely.
Woods. Occasional. Carman, Winnipeg, Victoria Beach.
- longistylis** (Torr.) DC. Smooth Sweet Cicely, Anise Root.
Damp woods. Frequent. Eastern area, Rosssburn, Winnipeg.
- obtusata** (Coult. & Rose) Fernald. Blunt-fruited Sweet Cicely.
Hilly woods. Rare. Riding Mt. Nat. Pk.
- Pastinaca sativa** L. Wild Parsnip.
Roadsides and waste ground. Common.
- Phellopterus montanus** Nutt. Mountain Cymopterus.
Dry prairie. Rare. Southern boundary.
- Sanicula marylandica** L. Sanicle, Snake Root.
Rich woods. Common. Altamont, Baldur, Holmfield, Killarney, Morden, Riding Mt. Nat. Pk., Waugh, Winnipeg.
(8) Je. 17; Je. 10 '10; Je. 22 '12; 50.
- Sium circutaefolium** Gmel. Water Parsnip.
In water and wet places. Common. Assiniboine R. banks, Crystal City, Miami, Rosssburn, Riding Mt. Nat. Pk., Warren Landing, Winnipeg.
- Thaspium trifoliatum** (L.) A. Gray, (T. aureum). Meadow Parsnip.
Woods. Common.
(13) My. 31; My. 22 '11; Je. 15 '07; 77.
- Zizia aurea** (L.) Koch. Golden Alexanders, Golden Meadow Parsnip.
Fields and meadows. Common.
- cordata** (Walt.) Koch. Heart-leaved Meadow Parsnip.
Open woods and meadows. Common. Not quite as frequent as the preceding species.
(9) My. 29; My. 21 '15; Je. 8 '21; 19.

CORNACEAE. Dogwood Family.

- Chamaepericlymenum canadense** (L.) Aschers. & Graebn. (Cornus canadensis). Bunchberry, Pigeonberry, Dwarf Cornel.
Woods. Common throughout Manitoba.
- Svida alternifolia** (L.F.) Small. Alternate-leaved Dogwood.
Hillsides. Rare. Found only on the escarpment south of Roseisle to the border.
- Baileyi** (Coult. & Evens) Rydb. Bailey's Dogwood.
Sandy shores and wet sandy woods. Occasional. Eastern area and St. Vital Park, Winnipeg.

- foemina** (Mill.) Rydb. Panicle Dogwood.
Thickets and riverbanks. Rydb.
- instolonea** A. Nels. River-bank Dogwood.
River banks. Occasional. Red. R.
- Svida rugosa** (Lam.) Rydb. Round-leaved Dogwood.
Woods. Frequent. Eastern area.
- stolonifera** (Michx.) Rydb. Red Oiser Dogwood.
Moist woods. Common. In nearly all woods in Manitoba.
(15) Je. 3; My. 22 '10; Je. 17 '07; 36.

PYROLACEAE. Wintergreen Family.

- Braxilia minor** (L.) House (Pyrola minor). Lesser Wintergreen.
Woods. Occasional. Gillam, Riding Mt. Nat. Pk.
- Chimaphila occidentalis** Rydb. (C. umbellata). Pipsissewa, Prince's Pine.
Dry woods. Frequent. Eastern area, Brereton, Sandilands, Reynolds,
Victoria Beach, Waugh.
- Moneses uniflora** (L.) A. Gray. One-flowered Wintergreen.
Rich moist woods. Occasional. Elk Is., Riding Mt. Nat. Pk., Vivian,
Victoria Beach, Whytewold.
- Orthilia secunda** (L.) House (P. secunda). One-sided Pyrola.
Woods. Occasional. Riding Mt. Nat. Pk., Victoria Beach, Warren
Landing, Waugh.
(8) Je. 24; Je. 17 '11; Jy. 5 '07; 61.
- Pyrola americana** Sw. Round-leaved Wintergreen.
Woods. Occasional. Eastern area.
- asarifolia** Mich. Liver-leaf Wintergreen.
Wet woods and swamps. Common. Eastern area north to Churchill,
also west to Rossburn and Riding Mt. Nat. Pk.
- chlorantha** Sw. Green-flowered Pyrola.
Woods and swamps. Frequent. Aweme, Brereton, Churchill, Riding
Mt. Nat. Pk., Waugh.
(5) Je. 28; Je. 26 '11; Jy. 5 '07; 65.
- elliptica** Nutt. Common Shin-leaf.
Rich woods. Common. Eastern area, also Aweme, Gimli, Riding Mt.
Nat. Pk.
(6) Jy. 4; Je. 25 '11; Jy. 12 '07; 61.
- uliginosa** Torr. Bog Shin-leaf.
Wet woods and bogs. Occasional. Aweme, Moosehorn, Riding Mt. Nat.
Pk., Vista.
(10) Je. 18; Je. 11 '11; Je. 28 '07; 68.

MONOTROPACEAE. Indian Pipe Family.

- Monotropa uniflora** L. Indian Pipe, Ghost Flower.
Dark rich woods. Occasional. Aweme, Brereton, Norway House, Rid-

ing Mt. Nat. Pk., Victoria Beach, Waugh.

(5) Jy. 24; Jy. 15 '11; Aug. 7 '07; 89.

ERICACEAE. Heath Family.

Andromeda glaucophylla Link. Marsh Rosemary.

Swamps, peat bogs. Occasional. Sandilands, Vivian.

—**polifolia** L. Wild Rosemary.

Peat bogs. Frequent. Churchill, Fraserwood, Gillam, Flin Flon, Riding Mt. Nat. Pk.

Arctostaphylos Uva-ursi (L.) Spreng. Bearberry.

Dry woods and prairie sand-hills. Frequent. Ashern, Birds Hill, Chatfield, Lauder, Rossburn, Riding Mt. Nat. Pk.

(18) My. 10; Ap. 29 '10; My. 29 '07; 93.

Arctous alpina (L.) Niedzu. Black Alpine Bearberry.

Arctic and alpine situations. Rare. The Pas, Churchill to Eskimo Pt.

—**erythrocarpa** Small. Red Arctic Bearberry.

Arctic and alpine situations. Rare. Churchill.

Chamaedaphne calyculata (L.) Moench. Leather Leaf.

Swamps. Frequent. Brereton, Flin Flon, Warren Landing, Waugh.

Cassiope tetragona (L.) D. Don. White Heather.

Wet places, arctic. Rare. Northern Manitoba.

Epigaea repens L. Trailing Arbutus.

Woods. Rare. Sandilands and s.e. corner. Also reported from Lewis, Libau, Gilbert Plains and Whitemouth.

Gaultheria procumbens L. Creeping Wintergreen.

Dry woods. Frequent. Brereton, Sandilands, Victoria Beach, Waugh.

Kalmia angustifolia L. Sheep Laurel.

Swamps. Occasional. Eastern area.

—**polifolia** Wang. Pale Laurel.

Swamps. Occasional. Eastern area and H. B. Ry.

Ledum decumbens (Ait.) Lodd. Narrow-leaved Labrador Tea.

Swamps. Occasional. Churchill, Flin Flon, Gillam, Riding Mt. Nat. Pk.

—**groenlandicum** Oeder. Labrador or Greenland Tea.

Peat bogs. Common. Eastern area north to Churchill, Aweme, Pine Ridge, Gypsumville, Riding Mt. Nat. Pk., Vivian.

Loiseleuria procumbens (L.) Desv. Trailing Azalea.

Arctic meadows. Occasional. Churchill, Gillam.

Rhododendron lapponicum (L.) Wald. Lapland Azalea.

Arctic and cold rocky places. Occasional. Gillam, Churchill, and Eskimo Pt.

VACCINIACEAE. Huckleberry Family.

Chiogenes hispidula (L.) T. & G. Creeping Snowberry.

Cold woods and bogs. Frequent. Flin Flon, Riding Mt. Nat. Pk., Sandilands, Swan L., Warren Landing, Waugh.

- Cyanococcus angustifolius** (Ait.) Rydb. Early Blueberry.
Mountains and sub-arctic regions. Occasional.
- canadensis** (Richards.) Rydb. Canada Blueberry.
Moist places, peat bogs. Occasional. Flin Flon, Riding Mt. Nat. Pk.,
Victoria Beach. Probably common in the north.
- pennsylvanicus** (Lam.) Rydb. Dwarf Blueberry.
Woods and hillsides. The common blueberry of the eastern area.
- Gaylussacia baccata** (Wang.) K. Koch. Huckleberry.
Rocky woods and sand. Occasional. Eastern area.
- Oxycoccus macrocarpus** (Ait.) Pers. Large Cranberry.
Bogs. Rare. South-eastern corner.
- microcarpus** Turez. Small Cranberry, Mossberry.
Bogs. Frequent. Flin Flon, Giroux, Sandilands, Vivian.
- palustris** Pers. Swamp Cranberry, Mossberry.
Cold bogs. May be frequent in the north. Riding Mt. Nat. Pk., War-
ren Landing.
- Vaccinium caespitosus** Michx. Tufted Billberry.
Alpine and arctic places. Probably frequent in the north.
- uliginosum** L. Bog Billberry.
Bogs. Frequent. Along H. B. Ry.
- Vitis-Idaea punctata** Moench. Mountain Cranberry.
Open woods, muskeg and sandy places. Frequent. Birds Hill, Flin
Flon, Riding Mt. Nat. Pk., Sandilands, Vivian.

PRIMULACEAE. Primrose Family.

- Androsace diffusa** Small. Diffuse Androsace.
Hills and prairie. Occasional. Carberry, Riding Mt. Nat. Pk.
- occidentalis** Pursh. Western Androsace.
Dry or sandy soil. Common. All through southern Manitoba.
(16) Ap. 24; Ap. 15 '10; My. 16 '07; 38.
- puberulenta** Rydb. Hairy Androsace.
Hills. Occasional. Ethelbert.
- septentrionalis** L. Smooth Androsace.
Sandy and gravelly ridges. Frequent. Birds Hill, Pine Ridge, Stony
Mt., Churchill.
- subumbellata** (A. Nels.) Small. Alpine Androsace.
Hills and gravelly places. In an earlier list without record of locality.
- Centunculus minimus** L. Chaffweed.
Wet places. Rare. Rossburn.
- Dodecatheon Meadia** L. Shooting Star.
Rocky bluffs and hillsides. Occasional. Frequent in some localities.
Inwood, Foxwarren, Rossburn, Turtle Mt., Warren Landing.

- Glaux maritima** L. Saltwort, Glasswort.
Saline and alkaline soil. Common. Banks of Assiniboine R., Old Souris channel nr. Melita, Kelloe, Stony Mt., Victoria Beach.
- Lysimachia terrestris** (L.) B.S.P. Loosestrife.
Swamps. Frequent. Brereton, Gimli, Victoria Beach, Winnipeg Beach.
- Naumburgia thyrsiflora** (L.) Duby. Tufted Loosestrife.
In water and swamps. Common. Fort Garry, Pine Ridge, Lyleton, Ochre River, Riding Mt. Nat. Pk., Victoria Beach.
- Primula egalikensis** Wormsk. Long-fruited Primrose.
Bogs. Rare. Northern Manitoba.
- farinosa** L. Mealy Primrose.
Cliffs and lake shores. Frequent. Churchill, Cormorant Lake, Pipestone, Solsgirth, Riding Mt. Nat. Pk.
- MacCalliana** Wieg. MacCalla's Primrose.
Wet places. Rare. Northern Manitoba.
- mistassinica** Michx. Dwarf Canadian Primrose.
Wet banks. Frequent. Aweme, Gimli, Haas, Solsgirth, Mile 256 H. B. Ry., and islands in the north of L. Winnipeg.
(4) My. 16; My. 14 '26; Je. 8, 25; —.
- stricta** Hornem. Arctic Primrose.
Arctic bogs. Rare. Northern Manitoba.
- Steironema ciliatum** (L.) Ralfs. Fringed Loosestrife.
Swamps and moist woods. Common. Eastern area, Killarney, Rock L., Rossburn, Swan R., Winnipeg.
(9) Je. 27; Je. 22 '10; Jy. 7 '17; 66.
- pumilum** Greene. Common Loose-strife.
Damp meadows. Rydb.
- quadriflorum** (Sims) Hitchc. Long-leaved Loose-strife.
Banks. Rare. Foxwarren.
- Trientalis americana** Pursh. American Star Flower.
Moist woods. Frequent. Eastern area, Carberry, escarpment at North Star.

OLEACEAE. Olive Family.

- Fraxinus campestris** Britt. Hillside Ash.
Valleys and hillsides. Occasional. Killarney, Tiger Hills, Turtle Mt., Souris Valley.
- lanceolata** Borkh. Lance-leaved Ash.
Along streams and near lakes. Occasional. Baldur, Killarney, Gimli, s. of Melita, Pembina R., Treherne.
- nigra** Marsh. Black Ash.
Swamps. Occasional. Camp Morton, Gimli, Grand Beach, Victoria Beach.
- pennsylvanica** Marsh. Green Ash.
Near lakes and streams. Occasional. Around s. end of L. Winnipeg.

GENTIANACEAE. Gentian Family.

- Amarella acuta** (Michx.) Raf. Northern Gentian.
Moist places. Frequent. Aweme, Benito, Birtle, Dauphin, Gimli, Norway House, Rossburn.
(6) Aug. 1; Jy. 24 '06; Aug. 9 '07; 25.
- propinqua** (Richards.) Greene. Four-parted Gentian.
Moist slopes. Occasional. Hudson Bay area.
- Anthopogon crinitus** (Frol.) Raf. (*Gentiana crinita*). Fringed Gentian.
Woods and low ground. Frequent. Dauphin, Giroux, Grand Rapids, G.W.W.D. Ry., Somerset, Whitemouth.
- procerus** (Holm.) Rydb. Small Fringed Gentian.
Meadows. Frequent. Aweme, Inwood, Grand Rapids, Riding Mt. Nat. Pk.
(7) Aug. 3; Jy. 24 '13; Aug. 9 '07; 28.
- tonsus** (Lunell) Rydb. Bog Gentian.
Wet meadows. Rare. Ochre R.
- ventricosus** (Griseb.) Rydb. Swollen Gentian.
Wet places. Rare. Cumberland House, H. B. Ry.
- Dasystephana affinis** (Griseb.) Rydb. Oblong-leaved Gentian.
Hills. Frequent. Altamont, Brandon, Stony Mt., Tolstoi.
- Andrewsii** (Griesb.) Small. Blind Gentian, Closed Gentian.
Moist meadows and among bushes. Frequent. Morris, Somerset, Winnipeg. Sometimes white flowers are almost as frequent as blue.
- flavida** (A. Gray) Britton. Yellow Gentian.
Moist woods. Frequent. Brereton, Riding Mt. Nat. Pk., Swan L., Victoria Beach, Waugh.
- Grayi** (Kusnez.) Britt. Gray's Gentian.
Wet places. Rare. Churchill, Victoria Beach.
- linearis** (Frol.) Britt., var **latifolia** Gray. Narrow-leaved Gentian.
Bogs and wet rocks. Rare. Waugh.
- puberula** (Michx.) Small. Downy Gentian.
Prairie. Rare. Stony Mt.
- Halenia deflexa** (Smith) Griseb. Spurred Gentian.
Moist woods. Frequent. Brereton, Riding Mt. Nat. Pk., Swan L., Victoria Beach, Waugh.
- Pleurogyne rotata** Griseb. Marsh Felwort.
Arctic regions. Rare. Churchill.

MENYANTHACEAE. Buckbean Family.

- Menyanthes trifoliata** L. Bog-bean, Buck-bean.
In water, peat bogs. Frequent. Aweme, Flin Flon, Mafeking, McCreary, Riding Mt. Nat. Pk., and eastern area.
(7) Je. 1; My. 23 '22; Je. 22 '24; 41.

APOCYNACEAE. Dogbane Family.

- Apocynum androsaemifolium** L. Spreading Dogbane.
Open woods and around woods. Common. Altamont, Baldur, Belmont,
Dauphin, Killarney, Treherne and eastern area.
- cannabinum** L. Indian Hemp.
Thickets and fields. Occasional. Baldur, Pierson, Winnipeg, Victoria
Beach.
- sibiricum** Jacq. Clasping-leaved Dogbane
Hillsides and valleys. Occasional. Brenda, Morris, Pierson, Winnipeg.

ASCLEPIADACEAE. Milkweed Family.

- Acerates languinosa** (Nutt.) DC. Woolly Milkweed.
Prairie. In a previous list without locality.
- viridiflora** (Raf.) Eaton. Green Milkweed.
Dry or sandy soil. Occasional. Western prairie.
- Asclepias incarnata** L. Swamp Milkweed.
Swamps. Occasional. Gimli, Sandilands, Victoria Beach, Waugh, Win
nipeg.
- ovalifolia** Dec. Dwarf Milkweed.
Woods and prairie. Frequent. Birtle, Minitonas, Reston, Rosburn,
Sundown, Victoria Beach.
(11) Je. 16; Je. 8 '26; Je. 27 '15; 68.
- speciosa** Torr. Showy Milkweed.
Prairie valleys. Occasional. Gladstone, Morden, Morris, Oak Point.
- syriaca** L. Silky Milkweed.
River banks, moist sandy soil, waste ground. Common. Southern Man.
- verticillata** L. Whorled Milkweed.
Dry soil. Occasional. Winnipeg.

CONVOLVULACEAE. Morning Glory Family.

- Convolvulus americanus** (Sims) Greene. American Bindweed.
Thickets and fence rows. Occasional. Lyleton.
- arvensis** L. Field Bindweed.
Fields. Occasional. Southern Manitoba.
- interior** House. Inland Bindweed.
Sandy soil and prairie. Frequent. Crystal City, Melita, Tillston, Win
nipeg.
- sepium** L. Large-flowered Morning Glory.
Thickets, old gardens and waste ground. Common.
- spithameus** L. Upright Morning Glory.
Rocky soil. Frequent. Eastern area.

CUSCUTACEAE. Dodder Family.

- Cuscuta Gronovii** Willd. Common Dodder.
A climbing parasite on herbs and shrubs. Common.
---**pentagona** Engelm. Field Dodder.
On various herbs. In a previous list as **C. arvensis**, without locality.

POLEMONIACEAE. Phlox Family.

- Collomia linearis** Nutt. Collomia.
Dry and sandy soil. Occasional. Birtle, Benito, Kenville, Reston, Rossburn.
Phlox Hoodii Richards. Moss Phlox.
Dry prairie and hills. Frequent. Aweme, Bede, Copley, Killarney, Shellmouth, Souris plains, Roblin, Tillston.
(5) My. 3; Ap. 25 '15; My. 7 '14; —.
---**pilosa** L. Downy Phlox.
Sandy soil. Occasional. Eastern area.

HYDROPHYLLACEAE. Water Leaf Family.

- Ellisia Nyctelea** L. Nyctelea.
Alluvial soil and shady places. Frequent. Altona, Aweme, Brereton, Kelwood, Sydney, Riding Mt. Nat. Pk.
(4) Je. 3; My. 19 '15; Je. 7 '10; 31.
Hydrophyllum virginianum L. Water-leaf.
Moist woods. Occasional. Eastern area, and an escape from gardens in other localities.
Phacelia Franklinii R. Br. Franklin's Phacelia.
Banks and hillsides. Occasional. Flin Flon, Swan R., Riding Mt. Nat. Pk.

HELIOTROPACEAE. Heliotrope Family.

- Heliotropum spathulatum** Rydb. Spatulate-leaved Heliotrope.
River valleys. Occasional. Deleau, Boissevain, Lyleton.

BORAGINACEAE. Borage Family.

- Cryptantha crassisepala** (T. & G.) Greene. Thick-sepaled Cryptanthe.
Loose waste ground. Rare. Stony Mt.
Cynoglossum borale Fernald. Northern Comfrey.
Woods. Rare. Komarno, eastern boundary.
---**officinale** L. Hound's Tongue.
Pastures and waste places. Occasional. Morden, Winnipeg.
Lappula americana (A. Gray) Rydb. American Blue Bur, Stickseed.
Small woods. Rare. Aweme, Stony Mt.
(5) Je. 24; Je. 20 '10; Je. 28 '13; 33.

- echinata** Gilib. Common Blue Bur.
Waste ground. A common weed throughout southern Manitoba.
(7) Je. 13; My. 30 '15; Je. 20 '07; 37.
- floribunda** (Lehm.) Greene. Many-flowered Blue Bur.
Among bushes and on hillsides. Rare. Victoria Beach.
- heterosperma** Greene. Hairy Blue Bur
River valleys. In earlier lists without record of locality.
- occidentalis** (S. Wats.) Greene. Western Blue Bur.
Dry and sandy prairie. Occasional. Along the Sask. boundary.
- Lithospermum canescens** (Michx.) Lehm. Hoary Puccoon.
Prairie and open rocky places. Common. Aweme, Bowsman, Bede,
Elva, Melita, Killarney, Neelin, Rossburn, Treherne, Victoria Beach,
Winnipeg.
(20) My. 18; My. 4 '10; Je. 3 '07; 53.
- linearifolium** Goldie. (L. angustifolium). Narrow-leaved Puccoon..
Dry prairie and sand. Frequent. Aweme, Carberry and west, Riding
Mt. Nat. Pk.
(11) My. 25; My. 19 '23; Je. 9 '07; 37.
- Mertensia lanceolata** (Pursh) DC. Lance-leaved Lungwort.
Hills. Occasional. Riding Mt. Nat. Pk., Tillston.
- paniculata** (Ait.) Don. Tall Lungwort.
Along streams and shady banks. Frequent. Eastern area and Bede,
Dauphin, Tillston.
- pilosa** (Cham.) DC. Hairy Lungwort.
Shady places. Occasional. Eastern and northern Manitoba.
- Onosmodium hispidissimum** Mackenzie. Rough False Gromwell.
River banks and moist grassland. Occasional. Southern Manitoba.
Sometimes difficult to separate from the next species without the seed.
Collar at base of seed in this species.
(7) Je. 22; Je. 9 '11; Jy. 5 '07; 45.
- occidentale** Mackenzie. Western False Gromwell.
Prairie. Probably more frequent than the preceding. Alexander, Bois-
sevain, Carberry, Killarney, Miami, Swan L. Res. and west.
- Oreocarya glomerata** (Pursh) Greene. Clustered Oreocarya.
Dry hills and prairie. Rydb.
- Macounii** Eastw. Macoun's Oreocarya.
Prairie. Rydb.
- Pneumaria maritima** (L.) Hill. Sea Lungwort.
Sea shore. Occasional. Churchill and Hudson Bay shore.
- Symphytum officinale** L. Comfrey.
A well established patch was found by Mr. B. J. Hales in spruce woods,
Riding Mt. Nat. Pk. 1933.

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VERBENACEAE. Vervain Family.

- Verbena bracteosa** Michx. Bracted Vervain.
 Prairie and waste ground. Occasional. Elgin, Lyleton, Lena, Ninga.
 —**hastata** L. Blue Vervain.
 Thickets and river valleys. Frequent. Eastern area, Morden, Riding
 Mt. Nat. Pk.

LAMIACEAE (Labiatae). Mint Family.

- Agastache anethiodora** (Nutt.) Britt. (*Lophanthus anisatus*). Giant Hyssop.
 Prairie and among bushes. Common throughout southern Manitoba.
 (10) Je. 28; Je. 21 '11; Jy. 14 '07; 35.
- Clinopodium vulgare** L. Basil-weed.
 Thickets. Rare. Eastern area.
- Dracocephalum Nuttallii** Britt. False Dragon-head.
 Around lakes and streams, shady places. Common. Eastern area.
 —**speciosum** Sweet. Obedient Plant.
 Low prairie. Frequent. Camp Morton, Inwood, Winnipeg, and eastern
 area.
- Galeopsis Tetrahit** L. Hemp Nettle.
 Waste ground. Occasional. Delta, Dominion City, Swan Lake Res.,
 Swan R.
- Glechoma hederacea** L. Ground Ivy.
 Roadsides, thickets, etc. Common.
- Lamium amplexicaule** L. Dead Nettle.
 Waste and cultivated ground. Rare. Minnetonas.
- Lycopus americanus** Muhl. American Water Horehound.
 Swamps and wet meadows. Frequent. Birds Hill, south end of L.
 Winnipeg, Winnipeg and eastern area.
- asper** Greene. Western Water Horehound.
 Wet places. Rare. Riding Mt. Nat. Pk.
- uniflora** Michx. Northern Water Horehound.
 Wet places. Rare. Rosburn.
- Mentha canadensis** L. Canadian Mint.
 Wet grassland. Common.
- glabrior** (Hook.) Rydb. Glabrate Mint.
 Wet places. Occasional. Lyleton.
- Moldavicia parviflora** (Nutt.) Britt. American Dragonhead.
 Grainfields, hillsides. Common. Southern Manitoba.
 (10) Je. 11; My. 30 '15; Je. 18 '07; 38.
- Monardia fistulosa** L. Common Bergamot.
 Prairie, hills and thickets. Common. Baldur, Belmont, Giroux, Kill-
 arney, Rosburn, Swan Lake, Turtle Mt., Tilston, Tiger Hills, Swan L.
 Res., Victoria Beach, Waugh.

- menthaefolia** Benth. Mint-leaved Bergamot.
Hillsides and valleys. Occasional. Winnipeg, Waugh. A white form
has been found at Stony Mt.
- Nepeta Cataria** L. Cat-mint, Cat-nip.
Waste ground. A garden escape. East Kildonan, Morden.
- Prunella vulgaris** L. Self-heal, Heal-all.
Woods and wet shrubland. Occasional. Inwood, Treherne, Wawanesa.
- Scutellaria epilobifolia** A. Hamilt. (S. galericulata) Marsh Skull-cap.
River banks and swamps. Birtle, Delta, Rosssburn, Riding Mt. Nat. Pk.
and eastern area.
(6) Je. 27; Je. 19 '11; Jy. 10 '07; 27.
- lateriflora** L. Common Skull-cap.
Near streams and in swamps. Frequent. East Kildonan, Morden, Rosssburn, Riding Mt. Nat. Pk., Victoria Beach.
- Stachys aspera** Michx. Rough Hedge Nettle
Moist ground. Occasional. Morden, Warren Landing.
- scopulorum** Greene, (S. palustris). Marsh Hedge-nettle, Wound-wort.
Moist grassland, and moist woods. Common. All through southern
Manitoba.
(8) Je. 29; Je. 22 '11; Jy. 9 '07; 26.
- Teucrium canadense** L. Germander, Wood-sage
River banks and low places. Occasional. Rosssburn, Winnipeg.

SOLANACEAE. Potato Family.

- Androcera rostrata** (Dunal.) Rydb. (Solanum rostratum). Buffalo Bur.
Prairie and river valleys. Occasional. Baldur, Binscarth, Delta, Gladstone, Manitou, Waskada.
- Hyoscyamus niger** L. Henbane.
Waste ground and around gardens. Occasional. On roadside between
Matlock and Whytewold, Gimli, Dauphin. Very poisonous.
- Leucophysalis grandiflora** (Hook.) Rydb. Large White Ground Cherry.
Rich soil around woods. Frequent. Ashville, Aweme, Grand Beach,
Minetonas, Swan L., Victoria Beach, Waugh.
(7) My. 30; My. 24 '19; Je. 10 '13; 59.
- Physalis lanceolata** Michx. Prairie Ground Cherry.
Prairie and plains, sand. Rare. Aweme, Victoria Beach.
(12) Je. 16; Je. 10 '11; Je. 26 '07; 60.
- virginiana** Mill. Virginian Ground Cherry.
Prairie and cultivated ground. Has been recorded from Elie but identification doubtful. Recorded by Britt. & Brown for Manitoba.
- Solanum nigrum** L. Black Nightshade.
Sandy soil and waste ground. Occasional. Morris, Kenora, Ont.
- triflorum** Nutt. Three-flowered Nightshade.
Prairie, waste and cultivated land. Frequent. Birtle, Copley, Darlingford, Rosssburn, Winnipeg.

SCROPHULARIACEAE. Figwort Family.

- Agalinus aspera** (Dougl.) Britt. Rough Gerardia, Rough Agalinus.
Prairie. Rydb.
- paupercula** Britt. var. **borealis** Penn. Northern Purple Agalinus.
Bogs and wet meadows. Rare. Morden.
- tenuifolia** (Vahl.) Raf. var. **parviflora** (Nutt.) Penn. Slender Agalinus.
Dry woods and thickets. Rare. Eastern area, Minaki.
- Bartsia alpina** L. Alpine Bartsia.
Alpine and arctic regions. Occasional. Churchill.
- Castilleja acuminata** (Pursh) Spreng. (*C. pallida*). Lance-leaved Painted Cup
Indian Paint Brush.
Open woods and hillsides. Frequent. Camper, Churchill, Inwood,
Marchand, Oak Point, Tolstoi.
- coccinea** (L.) Spreng. Scarlet Painted Cup, Indian Paint Brush.
Meadows and thickets. Frequent. Camper, Churchill, Dugald, Elm
Creek, Inwood, Rossburn, Riding Mt. Nat. Pk.
(9) Je. 3; My. 23 '11; Je. 8 '15; 35.
- rhexifolia** Rydb. Common Painted Cup.
Open woods and hillsides. Frequent. Northern Manitoba and Riding
Mt. Nat. Pk.
- sessiliflora** Pursh. Downy Painted Cup.
Hills and dry prairie. Occasional. Aweme, Birtle, Churchill, Erin-
view, Napinka.
(14) Je. 1; My. 22 '11; Je. 14 '07; 37.
- Chaenorhynchus minus** (L.) Lange. Small Snapdragon.
Waste ground, Ry. tracks. Occasional. Morris, Victoria Beach, Win-
nipeg.
- Chelone linifolia** (Coleman) Penn. forma **velutina** Penn. & Wherry.
Turtlehead.
Swamps. Rare. Sandilands, Waugh.
- Collinsia parviflora** Dougl. Blue-eyed Mary.
Shaded hillsides and woods. Frequent. Around L. Winnipeg and east-
ern area.
- Elephantella groenlandica** (Retz.) Rydb. Elephant Flower.
Cold swamps and wet meadows. Rare. Churchill and York Factory.
- Euphrasia arctica** Lange. Eyebright.
Dry calcareous soil. Rare. Churchill.
- Gratiola neglecta** Torr. Hedge Hyssop.
Mud and shallow water. Occasional. Winnipeg.
- Limosella aquatica** L. Mudwort.
Shallow water, mud. Frequent. Assiniboine and Red. R. banks, Miami.
- Linaria vulgaris** Mill. Toadflax, Butter and Eggs.
Fields and waste land. A common weed in many places.

- Melampyrum lineare** Lam. Cow-wheat.
Dry woods. Frequent. Eastern area.
- Mimulus Geyeri** Torr. Yellow Monkey Flower.
In water. Rare. Notre Dame de Lourdes.
- ringens** L. Blue Monkey Flower.
Swamps, lake shores, river banks. Frequent. Brereton, East Kildonan, Pierson, Riding Mt. Nat. Pk., Waugh, Winnipeg Beach, Victoria Beach.
- Orthocarpus luteus** Nutt. Owl's Clover.
Dry prairie, sandy soil. Common. Bagot, Birds Hill, Dauphin, Giroux, Sandilands, Tillston, Turtle Mt., Victoria Beach.
(10) Jy. 7; Jy. 3 '11; Jy. 15 '09; 34.
- Pedicularis arctica** R. Br. Arctic Lousewort.
Dry calcareous arctic soil. Occasional. Churchill.
- canadensis** L. Canada Lousewort.
Woods. Frequent. Birds Hill, Churchill, Dauphin, Inwood, Oak Point, Vivian.
- euphrasioides** Stephan. Eyebright Lousewort.
Open woods and barren lands. Rare. Northern Manitoba.
- flammea** L. Red-tipped Lousewort.
Arctic and alpine. Churchill.
- lanceolata** Michx. Swamp Lousewort.
Swamps. Rare. Aweme, Shilo, northern Manitoba.
(4) Jy. 21; Jy. 12 '11; Aug. 2 '12; 53.
- lapponica** L. Lapland Lousewort.
Cold bogs. Frequent. Churchill, Eskimo Pt.
- parviflora** Smith. Small-flowered Lousewort.
Wet places, Arctic. Rare. Northern Manitoba.
- sudetica** Willd. Arctic Lousewort.
Tundra. Occasional. Northern Manitoba.
- Pentstemon acuminatus** Dougl. Sharp-leaved Beard-tongue.
Dry prairie. Rare. Austin, Rossburn.
- albidus** Nutt. White Beard-tongue.
Prairie. Rare. Aweme and south-western corner.
(15) Je. 7; My. 28 '19; Je. 19 '07; 52.
- erianthus** Pursh. Crested Beard-tongue.
Prairie. Occasional. Morden and south-western area.
- gracilis** Nutt. Lilac Beard-tongue.
Prairie and plains. The most frequent of this genus but not common. Aweme, Baldur, Minitonas, Tolstoi and eastern area.
(10) Je. 17; Je. 6 '11; Jy. 1 '24; 54:
- nitidus** Dougl. Smooth Blue Beard-tongue.
Prairie. Occasional. Tillston and Waskada plains and west.

- procerus** Dougl. Slender Blue Beard-tongue.
Hills Occasional. South-western area. Makes a good garden plant.
- Rhinanthus kryollae** Chab. Common Yellow Rattle.
Thickets and meadows. Rare. Northern Manitoba.
- oblongifolius** Fernald. Oblong-leaved Yellow Rattle.
Meadows. Rydb.
- Scrophularia marylandica** L. Figwort.
Woods. Rare. South-eastern area.
- Verbascum Thapsus** L. Common Mullein.
Fields and roadsides. Occasional. Bowsman R., Winnipeg, and a few places east.
- Veronica americana** Schw. American Speedwell.
In water. Rare. Rossburn.
- catenata** Pennell. Water Speedwell.
Shallow water and wet places. In a previous list without locality.
- peregrina** L. Purslane Speedwell.
Low ground and waste places. Occasional. Old Souris channel at Mel-
ita, Waskada.
- persica** Poir. Byzantine Speedwell.
Fields and waste places. Rydb.
- scutellata** L. Marsh Speedwell.
Swamps and wet places. Frequent. Birtle, Darlingford, Pembina R.,
Rossburn, Winnipeg.
- serpyllifolia** L. Thyme-leaved Speedwell.
Fields and open woods. Rare. Eastern area.
- xalapensis** H.B.K. Hairy Speedwell.
Low ground and waste places. Frequent. Eastern area. May easily be
confused with **V. peregrina**.
- Veronicastrum virginicum** (L.) Farwell. Culver's Root.
Meadows. Rare. Greenridge.

LENTIBULARIACEAE. Bladderwort Family.

- Pinguicula villosa** L. Hairy Butterwort.
Arctic regions. Rare. Churchill.
- vulgaris** L. Common Butterwort.
Bogs. Occasional. H. B. Ry., Churchill.
- Stomosisia cornuta** (Michx.) Raf. Horned Bladderwort.
Bogs and borders of ponds. Rare. Riding Mt. Nat. Pk.
- Utricularia intermedia** Hayne. Flat-leaved Bladderwort.
Shallow water. Occasional. Gimli, Waugh, Victoria Beach.
- gibba** L. Humped Bladderwort.
Shallow water. In a previous list without locality. Probably limited to
the south-eastern area.

- macrorrhiza** Le Conte. Greater Bladderwort.
Shallow water. Common in many prairie sloughs and quiet bays of larger lakes.
- minor** L. Small Bladderwort.
Shallow water. Rare. Northern Manitoba.

OROBANCHACEAE. Broom-Rape Family.

- Anoplanganthus fasciculatus** (Nutt.) Walp. Cancer-root.
Sandy soil, a root parasite on *Artemisia*. Occasional. Harding, Millwood, Neepawa, and south-west.
- Myzorrhiza ludoviciana** (Nutt.) Rydb. Broom-rape.
Sandy soil, a root parasite on the *Carduaceae*. Occasional. Lauder, Virden and southwest.

PHYRMACEAE. Lopseed Family.

- Phyrma leptostachya** L. Lopseed.
Woods. Rare. Morden.

PLANTAGINACEAE. Plantain Family.

- Plantago asiatica** L. Asian Plantain.
Alkaline and waste soil. Rydb.
- decipiens** Barneoud. Sea-shore Plantain.
Sea beaches and alkaline areas. Rare. Old Souris channel s. of Melita.
- elongata** Pursh. Linear Plantain.
Wet places. Occasional. Brenda.
- eriopoda** Torr. Saline Plantain.
Saline and alkaline soil. Occasional. Souris R. valley.
- lanceolata** L. Lance-leaved Plantain.
Lawns and waste ground. Occasional. Carman, Oak Point.
- major** L. Common Plantain.
Lawns, pathways, etc. Very common.
- Rugelii** Decne. Rugel's Plantain.
Woods and waste ground. Frequent. Winnipeg.

RUBIACEAE. Madder Family.

- Galium boreale** L. Northern Bedstraw.
Hills, prairie, rocky places, etc. Abundant, almost everywhere.
(18) Je. 13; Je. 6 '15; Je. 26 '24; 41.
- trifidum** L. Small Bedstraw.
Swamps and wet places. Frequent. Brereton, Gimli, Sandilands, Warren Landing, Victoria Beach.
- triflorum** Michx. Sweet-scented Bedstraw.
Damp open woods. Occasional. Shoal Lake, Riding Mt. Nat. Pk. and eastern area.

- verum** L. Yellow Bedstraw.
Fields. Rare. High Bluff, Altamont.
- Houstonia longifolia** Gaertn. Bluets.
Sandy soil. Common. Birtle, Brandon, Camp Hughes, Cypress R.
Norway House, Treherne, Rosssburn, Victoria Beach.
(15) My. 22; My. 11 '26; Je. 7 '07; 65.

CAPRIFOLIACEAE. Honeysuckle Family.

- Diervilla lonicera**, Mill. Bush Honeysuckle.
Dry and rocky woods. Frequent. Brereton, Sandilands, Riding Mt.
Nat. Pk., Victoria Beach, Waugh.
- Distegia involucrata** (Richards.) Cockerell Involucrate Honeysuckle.
Woods and river banks. Occasional. Riding Mt. Nat. Pk., Waboden
(mile 136, H. B. Ry.), Churchill.
- Linnaea americana** Forbes. (L. borealis). Twin Flower.
Cool woods. Frequent. Flin Flon, Riding Mt. Nat. Pk., eastern area.
- Lonicera dioica** L. Smooth-leaved Honeysuckle.
Hillsides and rocky places. Occasional. Eastern area.
- glaucescens** Rydb. Glaucous Honeysuckle, Twining Honeysuckle.
Woods and bushes on hillsides. Common. Found throughout the wood-
ed parts of southern Manitoba.
(18) Je. 4; My. 26 '11; Je. 17 '24; 61.
- hirsuta** Eat. Hairy Honeysuckle.
Small woods and among rocks. Rare. Rydb.
- prolifera** (Kirchner) Rehder. (L. Sullivantii). Sullivan's Honeysuckle.
Rocky woods and banks. Frequent. Eastern area.
- Sambucus canadensis** L. Common Elder.
Wet soil, woods. Occasional. Eastern area.
- pubens** Michx. (S. racemosa). Racemose Elder.
Damp rocky places. Occasional. Amaranth, Delta, Waugh.
- Symphoricarpos albus** (L.) Blake, (S. racemosus). Snowberry.
Rocky places, river banks. Occasional. Morris, Riding Mt. Nat. Pk.
(8) Je. 21; Je. 9 '11; Jy. 7 '24; 46.
- occidentalis** Hook. Western Snowberry, Badger-bush.
Open woods. Very common.
(10) Je. 25; Je. 15 '06; Jy. 8 '24; 71.
- pauciflorus** (Robbins) Britt. Few-flowered Snowberry.
Rocky places. Occasional. Inwood, Rosssburn, Riding Mt. Nat. Pk.,
Victoria Beach.
- Viburnum cassinoides** L. Withe-rod.
Swamps. Rare. Eastern area.
- eradicatum** (Oakes) House. (V. parviflorum). Few-flowered Cranberry.
Woods. Occasional. Riding Mt. Nat. Pk., Warren Landing, and east-
ern area.

- Lentago** L. Nannyberry.
Woods. Common. Altamont, Aweme, Baldur, Belmont, Beaconsfield, Killarney, Melita, Morris, Rock Lake, Treherne, and eastern area.
(12) Je. 9; My. 27 '26; Je. 22 '07; 37.
- Rafinesqueanum** Schultes. (V. pubescens). Downy Arrow-wood.
Woods. Common. Often in the same woods as the preceding or in the same localities.
- trilobum** Marsh. (V. Opulus). High-bush Cranberry.
Woods. Common. Beaconsfield, Rossburn, Riding Mt. Nat. Pk., Miami, Winnipeg, and eastern area.
(11) Je. 9; My. 27 '26; Je. 22 '07; 79.
- Xylosteon caeruleum** (L.) Dum.-Cours. Blue Fly-Honeysuckle, Twin-berry.
Low ground. Occasional. Gimli, Grand Beach, The Pas, Waugh.
- canadense** (L.) Dum.-Cours. Canadian Fly Honeysuckle.
Moist woods. Rare. Riding Mt. Nat. Pk.
- oblongifolium** Goldie. Swamp Fly Honeysuckle.
Forest swamps. Occasional. Amaranth, Aweme, Flin Flon, Waterhen.
(6) Je. 10; Je. 5 '14; Je. 14 '10; 35.

ADOXACEAE. Moschatel Family.

- Adoxa Moschatellina** L. Moschatel, Musk-root.
Mossy woods. Rare. North of Barends R.

SANTALACEAE. Sandalwood Family.

- Commandra livida** Richards. Northern Bastard Toad-flax.
Bogs and wet places. Occasional. Barrow Junction, Churchill, Norway House, Riding Mt. Nat. Pk.
- pallida** A. DC. Pale Bastard Toad-flax.
Sandy soil. Frequent. Birds Hill, Carberry, Flin Flon, Killarney.
- Richardsoniana** Fern. Richardson's Toad-flax.
Gravelly soil. May be frequent. Often confused with the preceding species. Aweme, Winnipeg.
(16) My. 24; My. 10 '11; Je. 6 '17; 55.
- umbellata** (L.) Nutt. Umbellate Bastard Toad-flax.
Dryplaces. Occasional. Birds Hill, Carberry, Stony Mt., Winnipeg.

LORANTHACEAE. Mistletoe Family.

- Arceuthobium americanum** Nutt. Pine Mistletoe.
On Jack Pine. Common. Coniferous forests, east and north.
- pusillum** Peck. Spruce and Larch Mistletoe.
On spruce and larch (tamarack). Frequent. Coniferous forests, east and north.

ARISTOLOCHACEAE. Birthwort Family.

- Asarum acuminatum** (Ashe) Bicknell. Long-tipped Ginger.
Rich woods. Occasional. South-eastern area, also reported from
Deloraine.
- canadense** L. Indian Wild Ginger.
Rich woods. Occasional but more frequent than the preceding. Escarp-
ment woods at Leary, Morden, Roseisle, also Pembina Mt. and south-
eastern area.

CUCURBITACEAE. Cucumber Family.

- Micrampelis lobata** (Michx.) Greene, (*Echinocystis lobata*).
Balsam Apple, Wild Cucumber.
Among bushes on alluvial soil. Also garden escape. Frequent. Assin-
iboine valley, Red R. valley and Pembina R. valley.

CAMPANULACEAE. Bell-flower Family.

- Campanula aparinoides** Pursh. White Marsh Bell-flower.
Wet meadows and lake margins. Frequent. Gimli, Sandy Hook, Rid-
ing Mt. Nat. Pk. and eastern area north to Warren Landing.
- petiolata** A. DC. (*C. rotundifolia*). Common Blue-bell, Bell-flower.
Prairie, hills and rocky places. Common.
(13) Je. 20; Je. 14 '11; Je. 28 '07; 36.
- uliginosa** Rydb. Blue Marsh Bell-flower.
Wet places. Rare. Pine Ridge, Moosehorn.
- uniflora** L. Arctic Harebell.
Arctic and alpine situations. Rare. Churchill.

LOBELIACEAE. Lobelia Family.

- Lobelia Dortmanna** L. Water Lobelia.
Shallow water of cool clear lakes. Rare. Eastern boundary.
- hirtella** (A. Gray) Greene. Hirsute Lobelia.
Hills and prairie. Rare. Lyleton, Warren Landing.
- inflata** L. Indian Tobacco.
Dry soil and hillsides. Rare. In an earlier list without locality.
- Kalmii** R. & S. Brook Lobelia.
Wet meadows. Occasional. Aweme, Belair, Inwood, Waugh.
(5) Jy. 8; Je. 30 '11; Jy. 14 '12; 38.
- spicata** Lam. Spiked Lobelia.
Dry sandy soil. Occasional. Aweme, Gladstone, St. Laurent, Sturgeon
Creek.
(4) Jy. 8; Jy. 6 '11; Jy. 12 '09; 29.
- strictiflora** (Rydb.) Lunell. Narrow-flowered Lobelia.
Meadows and bogs. Rydb.

VALERIANACEAE. Valerian Family.

- Valeriana ciliata** T. & G. Tobacco Root.
 Wet prairie. Rare. Swan R.
 —**officinalis** L. Common Valerian.
 Roadsides. Garden escape. Rare. Riding Mt. Nat. Pk., Ochre R.
 —**septentrionalis** Rydb. Northern Valerian.
 Hillsides and meadows. Rare. Riding Mt. Nat. Pk.

DIPSACEAE. Teasel Family.

- Scabiosa arvensis** L. Blue Scabius.
 Waste places. Rare. Nr. Headingly.

AMBROSIACEAE. Ragweed Family.

- Ambrosia coronopifolia** T. & G. (A. psilostachya). Perennial Ragweed.
 Prairie. Common.
 —**elator** L. (A. artemisifolia). Common Ragweed.
 Waste places. Common.
 —**trifida** L. Great Ragweed.
 Moist places. Common.
Cyclachena xanthifolia (Nutt.) Fresen. (Iva xanthifolia). False Ragweed.
 Waste ground and along streams. Common.
Franseria acanthocarpa (Hook.) Colville. Franseria.
 Prairies, sandy valley. Rare. Red R. valley.
Iva axillaris Pursh. Poverty Weed.
 Alkaline and saline meadows. Frequent. Dauphin, Halex, Winnipeg.
Xanthium chinense Mill. (X. americanum). American Cocklebur.
 Waste ground. Rare.
 —**commune** Britt. Common Cocklebur, Clot-weed.
 Waste ground, marshes. Common.
 —**echinatum** Murr. Beach Cocklebur.
 River bank, lake shores, marshes. Common. Around s. end of L. Winnipeg, Red R., Assiniboine R.
 —**glanduliferum** Greene. Glandular Cocklebur.
 Alkaline valleys. Occasional. Western area.

CARDUACEAE. Thistle Family, Sunflower Family.

- Achillea borealis** Bongard. Northern Yarrow.
 Wet rocks and hills. Rare. Churchill.
 —**lanulosa** Nutt. Woolly Yarrow.
 Prairie and mountain valleys. Frequent. Aweme, Shilo, Western prairie and Riding Mt. Nat. Pk.

(4) Jy. 9; Jy. 2 '13; Jy. 12 '08; 51.

- Millefolium** L. Common Yarrow.
Prairie, hillsides, roadsides, etc. Common.
(12) Je. 9; Je. 4 '15; Je. 19 '07; 37.
- multiflora** Hook. Many-flowered Yarrow.
Valleys. Rare. Northern Manitoba.
- subalpina** Greene. Alpine Yarrow.
Northern regions. Rydb.
- Anaphallis margaritacea** (L.) B. & H. Pearly Everlasting.
Open wood and clearings. Frequent. Eastern area.
- Antennaria alpina** (L.) Gaertn. Alpine Everlasting.
Alpine, arctic situations. Churchill, York Factory.
- aprica** Greene. Low Everlasting.
Prairie and hills. Occasional. Aweme, Brandon, Carberry, Winnipeg.
(8) My. 19; My. 12 '18; My. 25 '12; —.
- campestris** Rydb. Prairie Pussy-toes, Prairie Everlasting.
Prairie. Common.
(15) My. 13; Ap. 29 '10; My. 28 '24; 20.
- canadensis** Greene. Canadian Pussy-toes.
Dry open places. Common.
- Antennaria carpathica** (Wahl.) Hook. Carpathian Everlasting.
Dry soil. Rare. Hudson Bay, York Factory.
- microphylla** Rydb. Small Everlasting.
Dry prairie. Common.
(9) Je. 13; Je. 8 '18; Je. 29 '08; 38.
- obovata** E. Nels. Spotted Everlasting.
Hills. Rydb.
- plantaginifolia** Hook. Plantain-leaved Everlasting.
Dry woods, hills. Occasional. Pine Ridge, Stony Mt., Waugh.
- rosea** (D. C. Eaton) Greene. Rosy Cudweed.
Meadows and moist hillsides. Rare. Riding Mt. Nat. Pk.
- sedoides** Greene. Mountain Everlasting.
Hills. Rare. Rydb.
- Arctium Lappa** L. Common Burdock.
Waste ground. Common.
- minus** Schk. Lesser Burdock.
Waste ground. Sometimes associated with **A. Lappa** but not so frequent.
- tomentosum** (Lam.) Schk. Wooly Burdock.
Waste ground. Rare. Emerson.
- Arnica alpina** (L.) Olin. Arctic Arnica.
Arctic situations. Occasional. Churchill.
- foliosa** Nutt. Linear-leaved Arnica.
Wet places and hills. Rare. Fort Ellice.

- Lowii** Holn. Low's Arnica.
Coasts. Rare. Hudson Bay.
- mollis** Hook. Hairy Arnica.
Hills. Rare. Stewart L., Vista.
- Artemisia Absinthium** L. Absinthe Wormwood.
Waste ground and around dwellings. Common.
- Artemisia biennis** Willd. Biennial Wormwood.
Moist prairie, grain fields. Common.
- camporum** Rydb. (A. canadensis). Plains Wormwood.
Prairie and hills. Occasional. Morden.
- caudata** Michx. Tall Wormwood.
Sandy soil. Frequent. Fort Ellice, Rossburn, Virden and s. end of L. Winnipeg.
- elatior** (T. & G.) Rydb. Taller Wormwood.
Valleys. Rydb.
- dracunculoides** Pursh. Linear-leaved Wormwood.
Dry prairie. Occasional. Morden, Rossburn.
- frigida** Wills. Pasture Sage.
Hills and dry prairie. Abundant.
(4) Aug. 11; Aug. 10 '0; Aug. 12 '11; 36.
- glaucia** Pallas. Smooth-leaved Wormwood.
Prairie. Rare. Rossburn.
- gnaphaloides** Nutt. Prairie Sage.
Prairie and riverbanks. Very common. In moister or lower situations than **A. frigida**.
- longifolia** Nutt. Long-leaved Sage.
Alkaline plains. On a Benton shale exposure of the escarpment n.w. of Morden.
- pontica** L. Roman Wormwood.
Waste places. Rydb.
- vulgaris** L. Common Wormwood.
Waste ground and abandoned gardens. Frequent around towns.
- vulgaris** var. **heterophylla** Nutt. Variable-leaved Wormwood.
Along with **A. longifolia** on the Benton shale.
- Aster commutatus** T. & G. White Prairie Aster.
Plains and river banks. Common. Aweme, Souris, Tillston and Waskada plains, Winnipeg.
(9) Jy. 31; Jy. 13 '11; Aug. 10 '07; 45.
- cordifolius** L. Blue Wood Aster.
Woods and thickets. Common. Altamont, Deerwood, Grand Rapids, Miami, Morden, Roseisle, Swan L. Res., Winnipeg.
- divaricatus** L. White Wood Aster.
Open woods and thickets. Occasional. South-eastern area.

- ericoides** L. (*A. multiflorus*). Many-flowered Aster.
Prairie and dry places. Very common.
- junciformis** Rydb. (*A. junceus*). Rush Aster.
Swamps. Occasional. Sandilands. Victoria Beach.
- laevis** L. Smooth Blue Aster.
Open woods and borders of woods. Common. Eastern area, Aweme, Beaconsfield, Deerwood, Rossburn, Somerset, Swan L. Res., Riding Mt. Nat. Pk.
(12) Jy. 22; Jy. 10 '26; Aug. 4 '07; 33.
- lateriflorus** (L.) Britt. Starved Aster.
Woods. Occasional. South-eastern area.
- Lindleyanus** T. & G. Lindley's Aster.
River banks and woods along streams. Common. Red R. and Assiniboine R. valleys, Riding Mt. Nat. Pk.
(8) Jy. 25; Jy. 14 '11; Aug. 5 '12; 44.
- Lowricanus** Porter. Lowrie's Aster.
Woods. Rare. Waugh and south-eastern corner.
- lutescens** (Lindl.) T. & G. Yellow-rayed Aster.
Prairie. Rare. Between Portage-la-Prairie and Ladysmith.
- Novae-Angliae** L. New England Aster.
Low ground and moist woods. Occasional. Aweme, Pine Ridge, Somerset and eastern area.
(9) Aug. 8; Aug. 1 '14; Aug. 16 '09; 36.
- Novi-Belgii** L. New York Aster.
Swamps. Occasional. Fort Garry, Waugh.
- paniculatus** Lam. Tall White Aster.
Woods, banks. Frequent. Eastern area, also Aweme.
(4) Jy. 28; Jy. 18 '11; Aug. 2 '13; 45.
- pauciflorus** Nutt. Few-flowered Aster.
Alkaline and saline soil. Rare. L. Winnipegosis.
- puniceus** L. Purple-stemmed Aster.
Swamps. Frequent. Sandilands to Waugh. Aweme, Riding Mt. Nat. Pk.
(6) Aug. 4; Aug. 2 '12; Aug. 7 '07; 38.
- salicifolius** Lam. Willow Aster.
Wooded banks. Occasional. Winnipeg.
- sericeus** Vent. Silvery Aster.
Prairie. Frequent. Birds Hill, Stony Mt. and eastern area.
- vimineus** Lam. Small White Aster.
Moist soil. Rare. Southern border.
- Bidens connata** Muhl. Purple-stemmed Beggar-Ticks.
Swamps. Occasional. Eastern area

- frondosa** L. Common Beggar-ticks.
Wet places, river banks. Common.
(4) Jy. 21; Jy. 19 '09; Jy. 26 '11; 33.
- glaucescens** Greene (B. cernua). Smooth Beggar-ticks.
Water and wet soil. Frequent. Gimli, Grand Rapids, Riding Mt. Nat. Pk., Waugh.
- leptopoda** Greene.
Swamps. Rydb.
- vulgata** Greene. Tall Beggar-ticks.
Wet ground. Rare. Eastern boundary.
- Boltonia asteroides** L'Her. Aster-like Boltonia.
Moist soil. Rare. Aweme and Stony Mt.
- Brachyactis angusta** (Lindl.) Britt. Rayless Aster.
Saline soil. Occasional. Matlock, The Pas.
- Chamomilla inodora** (L.) Gilib. Scentless Chamomile, Mayweed.
Waste ground. Occasional. Reynolds, York Factory.
- suaveolens** (Pursh) Rydb. Sweet-scented Chamomile.
Pineapple-weed.
Moist and sandy soil, waste ground. Frequent. Mostly around farms and old gardens. Sometimes grown for its sweet scent.
- Chrysopsis hispida** (Hook.) DC. Hispid Golden Aster.
Sandy river valleys. Rare. Virden.
- villosa** (Pursh) Nutt. Golden Prairie Aster.
Dry prairie and hills. Frequent. Aweme, Birtle, Birds Hill, Melita, Rossburn, Stony Mt., Zant.
(13) Je. 15; Je. 9 '11; Je. 27 '07; 27.
- Cirsium arvense** (L.) Scop. Canada Thistle.
Fields, roadsides, etc. Common weed.
- discolor** (Muhl.) Sprengl. Field Thistle.
Hills and fields. Rare. Emerson.
- Drummondii** T. & G. Drummond's Thistle.
Hills. Occasional. Aweme, Riding Mt. Nat. Pk., L. Winnipegosis.
(9) Je. 23; Je. 20 '11; Jy. 13 '08; 19.
- Flodmanii** (Rydb.) Arthur. Flodman's Thistle.
Meadows and river valleys. Rare. South-western Manitoba.
- Hillii** (Canby) Fernald. Hill's Thistle.
Fields. Rare. Sandilands and south-east corner.
- megacephalum** (A. Gray) Cockerell. Large-flowered Thistle.
Prairie. Rare. South-western area.
- muticum** Michx. Swamp Thistle.
Wet thickets. Rare. Riding Mt. Nat. Pk., Sandilands.

- undulatum** (Nutt.) Sprengl. Wavy Thistle.
 Prairie. Common. More or less throughout southern Manitoba.
 (7) Jy. 10; Je. 10 '13; Jy. 12 '07; 30.
- Coreopsis palmata** Nutt. Palmate Tickseed.
 Dry prairie. Occasional. South-western area.
- tinctoria** Nutt. Common Tickseed.
 Low places. Occasional. Near southern boundary.
- Doellingeria pubens** (A. Gray) Rydb. Rough Flat-topped White Aster.
 Open woods and meadows. Occasional. Riding Mt. Nat. Pk., Swan R.
- umbellata** (Mill.) Nees. (Aster umbellata). Downy Flat-topped White Aster.
 Moist soil and thickets. Common. Belair, Birds Hill, Camp Morton, Gimli, Miami, Sandilands, Somerset, Swan L. Res., Victoria Beach.
 (7) Jy. 30; Jy. 24 '11; Aug. 5 '08; 47.
- Echinacea angustifolia** DC. Purple Cone-flower.
 Dry prairie. Frequent. Aweme, Baldur, Brandon, Griswold and the south west.
 (10) Jy. 5; Je. 26 '11; Jy. 21 '07; 48.
- Erigeron annuus** (L.) Pers. Annual Fleabane
 Fields. Occasional. Fort Garry.
- asper...** Nutt. Rough Fleabane.
 Prairie and hills. Common. Western area.
 (14) Je. 2; My. 22 '11; Je. 16 '07; 29.
- caespitosus** Nutt. Tufted Fleabane.
 Dry Hills and prairie. Occasional. York Factory. Winnipeg.
- gabellus** Nutt. Smooth Fleabane.
 Hills. Occasional. Aweme, Birds Hill, Pine Ridge and eastern area.
 (12) Jy. 11; Jy. 5 '09; Jy. 15 '07; 38.
- hyssopifolius** Michx. Hyssop-leaved Fleabane.
 Calcareous rocks. Rare. York Factory. Also reported from Aweme.
- jucundus** Greene. Bitter Fleabane.
 Wet places. Rydb.
- minor** (Hook.) Rydb. Low Fleabane.
 Damp places. Rydb.
- oligodontus** Lunell. Slender Fleabane.
 Meadows. Rydb.
- philadelphicus** L. Philadelphia Fleabane.
 Meadows and woods. Common throughout southern Manitoba.
 (12) Je. 10; Je. 3 '12; Je. 18 '07; 25.
- pumilus** Nutt. Plains Fleabane.
 Dry prairie. Rare. Napinka, Stony Mt.
- purpureus** Ait. Purple Fleabane.
 Wet meadows. Rare. Riding Mt. Nat. Pk.

- ramosus** (Walt.) B.S.P. (*E. strigosus*). Daisy Fleabane.
Fields, prairie. Frequent. Aweme, Rossburn, Waugh, Winnipeg.
(6) Je. 22; Je. 20 '18; Je. 25 '15; 17.
- trifidus** Hook. Trifid Fleabane.
Stony crests. Rare. Churchill.
- Eupatorium maculatum** L. (*E. purpureum*). Spotted Joe-Pye-weed.
Moist ground. Frequent. Belair, Delta, Beaconsfield, Gimli, Riding
Mt. Nat. Pk., Victoria Beach, Whitemouth.
- perfoliatum** L. Bone-set, Perfoliate Joe-Pye-Weed
Wet places. Frequent. Eastern area.
(6) Jy. 25; Jy. 13 '13; Aug. 8 '11; 38.
- Euthamia camporum** Greene. (*Solidago graminifolia*). Flat-topped Goldenrod.
Low ground. Frequent. Aweme, Crystal City, Morden, Reston, Stony
Mt., Victoria Beach.
(9) Jy. 19; Jy. 10 '13; Jy. 31 '07; 42.
- Gaillardia aristata** Pursh. Gaillardia.
Hills and dry prairie. Common. More or less through southern Man-
itoba.
(11) Je. 15; My. 30 '10; Je. 20 '24; 31.
- Galinsoga ciliata** (Raf.) Blake. Galinsoga.
Waste ground. A southern weed which has invaded Manitoba gardens
in recent years. Grand Beach, Winnipeg.
- Gnaphalium obtusifolium** L. Common Cudweed, Everlasting Flower.
Open places. Frequent. Eastern area.
- palustre** Nutt. Western Marsh Cudweed.
Wet places. Rare. Angusville.
- Grindelia perennis** A. Nels. Perennial Gum-weed.
Prairie and hills. Probably common.
- squarrosa** (Pursh) Dunal. Squarrose Gum-weed.
Prairie. Common. All early records of this genus in Manitoba were
regarded as belonging to this species. They may be all *G. perennis*. It
is difficult to separate the two species.
(8) Jy. 25; Jy. 17 '14; Aug. 9 '07; —.
- Gutierrezia diversifolia** Greene. Common Broom-weed.
Prairie. Rare. Lyleton and south-west corner.
- Sarothrae** (Pursh) Britt. & Rushby. Broom-weed.
Dry prairie and limestone. Frequent. Reston, Stony Mt., Turtle Mt.,
Virden.
- Helenium macranthum** Rydb. (*H. autumnale*). Sneezeweed.
Wet places. Common. Around many sloughs in southern Manitoba.
(5) Jy. 19; Jy. 8 '06; Aug. 9 '07; —.
- Helianthus annuus** L. Common Sunflower.
Waste ground. An escape from cultivation.

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- divaricatus** L. Rough Sunflower.
Dry places. Occasional. Riding Mt. Nat. Pk.
- doronicoides** Lam. Oblong-leaved Sunflower.
Dry places. Recorded in earlier lists. No recent record. It is a southern species and probably does not occur in this Province.
- fascicularis** Greene. Cluster Sunflower.
Valleys. Rare. Turtle Mt.
- giganteus** L. Tall Sunflower.
Wet places. Rare. Aweme and Winnipeg.
(4) Jy. 24; Jy. 15 '11; Aug. 8 '12; 47.
- Maximiliani** Schrad. Maximilian's Sun Flower.
Prairie and river banks. Frequent. Aweme, Belmont, Giroux, Holmfield, Tilston, Turtle Mt., Winnipeg.
(8) Jy. 12; Jy. 2 '11; Aug. 1 '07; 46.
- petiolaris** Nutt. Prairie Sunflower.
Prairie. Occasional. South-western area.
(5) Jy. 18; Jy. 11 '11; Jy. 28 '14; 41.
- rigidus** (Cass.) Desf. Stiff Sunflower.
Prairie. Occasional. Southern Manitoba.
(10) Jy. 15; Jy. 8 '10; Jy. 20 '07; 44.
- subcanescens** Rydb. Soft Sunflower.
Light woods. Rydb.
- subrhomboides** Rydb. Rhombic-leaved Sunflower.
Prairie. Frequent. Riding Mt. Nat. Pk., Turtle Mt., Tilston, Tiger Hills, Souris Plains.
- tuberosus** L. Jerusalem Artichoke.
Alluvial soil. Common. Assiniboine and Red R. valleys, Altamont, Baldur, Killarney, Miami, Swan L. Res. Tubers edible.
- Heliopsis scabra** Dunal. Rough Ox-eye.
Dry soil. Frequent. Aweme, Baldur, Birds Hill, Tiger Hills, Virden.
(10) Je. 19; Je. 17 '11; Jy. 8 '24; 44.
- Lepachys columnifera** (Nutt.) Common Cone-flower.
Prairie. Occasional. Aweme, Melita, Rossburn, Winnipeg.
(9) Jy. 2; Je. 25 '26; Jy. 8 '09; 48.
- c. var. pulcherrima** T. & B. Brown Cone-flower.
Prairie. Rare. Lyleton.
- pinnata** (Vent.) T. & G. Pinnate Cone-flower.
Prairie. Rare. C.P.R. tracks, Winnipeg.
- Leptilon canadense** L. Horse-weed.
Dry soil and prairie. Frequent. Aweme, Bagot, Matlock, McDonald, Waugh, Waskada plains.
(5) Jy. 2; Je. 27 '13; Jy. 6 '12; 24.

- Leucanthemum arcticum** D.C. Arctic Ox-eye.
Costal region. Rare. Churchill to Eskimo Pt.
- vulgare** Lam. (*Chrysanthemum leucanthemum*). Ox-eye Daisy.
Meadows, roadsides. Occasional. Birds Hill, Riding Mt. Nat. Pk.,
Winnipeg Beach.
- Liastris aspera** (Michx.) Greene. (*L. scariosa*). Large Blazing Star.
Dry prairie. Common. Aweme, Birds Hill, Brandon, Giroux, Rossburn,
Virden.
(10) Jy. 24; Jy. 15 '11; Aug. 7 '07; 39.
- ligulistylis** (A. Nels.) Rydb. Meadow Blazing Star, Button Snake-root.
Hills and prairie. Common, western prairie.
- punctata** Hook. Dotted-leaved Blazing Star.
Dry hills and prairie. Common. Throughout southern Manitoba.
(12) Jy. 23; Jy. 20 '11; Aug. 4 '07; 46.
- Maruta Cotula** (L.) DC. (*Anthemis Cotula*). Mayweed.
Fields and waste ground. Occasional. Morden, Riding Mt. Nat. Pk.,
Winkler.
- Megalodonta Beckii** (Torr.) Greene. (*Bidens Beckii*). Water Marigold.
Ponds and streams. Occasional. Riding Mt. Nat. Pk., Waugh.
- Oligoneuron canescens** Rydb. Canescent Goldenrod.
Prairie and river valleys. Rare. Lyleton, Souris Plains.
- rigidum** (L.) Small, (*Solidago rigida*). Rough Goldenrod.
Dry soil. Occasional. Aweme, Rossburn, Winnipeg.
(13) Jy. 20; Jy. 17 '11; Aug. 1 '07; 45.
- Onopordum Acanthium** L. Cotton Thistle.
Waste ground. Rare. Mile 39 G.W.W.D.Ry. Probably escaped from
a garden.
- Petasites palmatus** (Ait.) Gray. Palmate-leaved Coltsfoot.
Bogs. Frequent. Gimli, Rossburn, Riding Mt. Nat. Pk., Victoria Beach.
- sagittatus** (Pursh) Greene. Arrow-leaved Coltsfoot.
Wet places. Common. From Winnipeg north to Churchill and west to
Rossburn.
- vitifolius** Greene, (*P. trigonophyllus*). Vine-leaved Coltsfoot.
Wet places. Occasional. Swan R., L. Manitoba, and eastern area.
- Rudbeckia hirta** L. Black-eyed Susan.
Prairie and hills. Common. All southern Manitoba.
- lacinata** L. Tall Cone-flower.
Thickets and borders of woods. Frequent. Assiniboine R. valley, Bea-
consfield, Riding Mt. Nat. Pk.
(6) Jy. 10; Jy. 7 '11; Jy. 13 '10; 45
- Senecio aureus** L. Golden Ragwort.
Open woods and meadows. Common. Southern Manitoba and north
to Churchill.

- canus** Hook. Silvery Groundsel.
 Dry hills. Frequent. Aweme, Baldur, Birds Hill, Stony Mt.
 (7) Je. 4; My. 30 '19; Je. 11 '09; 23.
- densus** Greene. Compact Groundsel.
 Prairie. Occasional. Deloraine, Riding Mt. Nat. Pk.
- eremophilous** Richards. Cut-leaved Groundsel.
 Wet places. Rydb.
- integerrimus** Nutt. Entire-leaved Groundsel.
 Moist meadows. Occasional. Aweme, Morden, Roseisle.
- Jacoea** L. Tansy Ragwort.
 Fields and waste land. Frequent. Erickson, Rossburn, Selkirk, Swan R., Winnipeg.
- lungens** Richards. Slender Groundsel.
 Cold wet places. Rare. Churchill.
- palustris** (L.) Hook. Marsh Ragwort.
 Wet places. Common. Aweme, Brereton, Pembina R., Turtle Mt., Riding Mt. Nat. Pk., Waugh, Victoria Beach.
 (10) Je. 4; My. 3 '15; Je. 12 '09; 14.
- pauperculus** Michx. (*S. aureus* v. *balsamitae*). Balsam Groundsel.
 Stony places. Occasional. Brenda, Rossburn, Zant.
- plattensis** Nutt. Prairie Ragwort.
 Prairie, valleys. Occasional. Aweme, Crystal City, Morden, Roseisle.
 (15) Je. 4; My. 20 '11; Je. 15 '07; 23.
- pseudaureus** Rydb. False Golden Ragwort.
 Wet meadows. Rare.
 (10) Je. 4; My. 28 '19; Je. 9 '16; 21.
- vulgaris** L. Common Groundsel.
 Waste ground. Occasional. Near towns.
- Willingii** Greene. Willing's Groudsel.
 Gravelly soil. Rydb.
- Sideranthus spinulosus** (Pursh) Sweet. Spiny Iron Plant.
 Prairie. Rare. South-western corner.
- Solidago bicolor** L. Pale Goldenrod.
 Dry soil. Occasional. Gimli and Victoria Beach.
- canadensis** L. Canadian Goldenrod.
 Among bushes. Common. Throughout southern Manitoba.
 (11) Jy. 17; Jy. 13 '14; Jy. 24 '10; 39.
- decumbens** Greene. Decumbent Goldenrod.
 Hills. Recorded only from Aweme.
 (4) Jy. 15; Jy. 14 '11; Jy. 17 '08; 46.
- dumetorum** Lunell. Prairie Goldenrod.
 Dry prairie. Occasional. Lyleton and western area.

- gilvocanescens** (Rydb.) Smith. Silvery Goldenrod.
Sandy soil. Occasional. Dauphin, Morden, Rossburn.
- glaberrima** Martens. Smooth Goldenrod.
Prairie and hills. Rydb. Common in Sask.
- hispidula** Muhl. Hairy Goldenrod.
Dry places. Frequent. Grand Rapids, Riding Mt. Nat. Pk., Turtle Mt.,
Victoria Beach.
- junceus** Ait. Early Goldenrod.
Small woods, banks. Rare. Victoria Beach.
- missouriensis** Nutt. Low Goldenrod.
Hills and dry prairie. Frequent. Morden, Tilston, Reston, Tiger Hills,
Turtle Mt., Victoria Beach.
- mollis** Bartl. Velvety Goldenrod.
Dry prairie. Occasional. Carberry, Melita, Virden.
- multiradiata** Ait. Northern Goldenrod.
Hills, and coast. Rare. Churchill, York Factory, and shore of Hudson
Bay.
- nemorialis** Ait. Field Goldenrod.
Open dry ground. Rare. Recorded only from Aweme.
(6) Jy. 26; Jy. 17 '09; Aug. 3 '07; 27.
- pulcherrima** A. Nels. Showy Goldenrod.
Dry prairie. Occasional. Western prairie.
- rugosa** Mill. Tall Hairy Goldenrod.
Dry soil. Rydb.
- serotina** Ait. Late Goldenrod.
Banks, meadows, valleys. Occasional, Winnipeg and scattered places in
the west.
- Solidago speciosa** Nutt. Showy Goldenrod.
Rich soil. Rare. Waugh.
- ulginosa** Nutt. Swamp Goldenrod.
Swamps. Rare. South eastern area.
- Stenotus armerioides** Nutt. Narrow-leaved Stenotus.
Dry hills. Rare. South-western corner.
- Tanacetum vulgare** L. Tansy.
Cultivated land. Garden escape in many places.
- Townsendia sericia** Hook. Townsendia.
Prairie. Frequent. Aweme, Brandon, Glenboro, Routledge.
- Unamia alba** (Nutt.) Rydb. White Sneezewort Aster.
Gravel. Rare. North-west of Miami.
- lutescens** (Lindl.) Rydb. (Aster ptarmicoides). Yellow Sneezewort Aster.
Prairie and small hills. Occasional. Aweme, Dauphin, Morden.
(10) Jy. 13; Jy. 1 '26; Jy. 21 '07; 57.
- Veronia corymbosa** Schwein. Western Ironweed.
Valleys. Rare. Southern boundary.

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CICHORIACEAE. Chicory Family.

- Agoseris cuspidata** (Pirsh.) D. Dietr. Prairie False Dandelion.
 Hills and dry prairie. Rare. Aweme, Fort Ellice.
 (4) Je. 13; Je. 11 '09; Je. 18 '10; 11.
- glaucia** (Nutt.) Greene. Smooth False Dandelion.
 Prairie and meadows. Frequent. Aweme, Pine Ridge, Rossburn, Winnipeg.
 (10) Je. 10; My. 25 '10; Je. 11 '07; 27.
- parviflora** (Nutt.) Greene. Small False Dandelion.
 Meadows. Rare. Morden (1942).
- Cichorium Intybus** L. Chicory.
 Roadsides, fields, etc., Frequent. Southern Manitoba.
- Crepis glauca** (Nutt.) T. & G. Smooth Hawksbeard.
 Valleys. Rare. Inwood.
- perplexans** Rydb. Glaucous Hawksbeard.
 Valleys. Rare. Portage-la-Prairie.
- runcinata** (James) T. & G. Common Hawksbeard.
 Valleys. Rare. Aweme, Riding Mt. Nat. Pk., Winnipeg.
 (7) Je. 21; Je. 14 '10; Je. 28 '08; 18.
- Cynthia virginica** (L.) D. Don. Virginia Goat's Beard.
 Moist woods. Rare. Woods around south end of L. Winnipeg.
- Hieracium aurantiacum** L. Orange Hawkweed.
 Meadows. Rare. St. Vital Pk., Winnipeg.
- canadense** Michx. Canadian Hawkweed.
 Dry woods and thickets. Frequent. Aweme, Riding Mt. Nat. Pk., Rossburn, Sturgeon Creek.
 (11) Jy. 27; Jy. 19 '10; Aug. 8 '07; 17.
- scabriusculum** Schwein. Common Hawkweed.
 Open woods, hillsides. Occasional. Riding Mt. Nat. Pk., York Factory.
- venosum** L. Rattlesnake Hawkweed.
 Dry woods and sand. Rydb.
- Lactuca campestris** Greene. Blue Western Lettuce.
 River banks and wet places. Rare. South-eastern corner.
- canadensis** L. Tall Yellow Lettuce.
 Moist ground. Recorded only from Aweme.
 (5) Jy. 7; Jy. 4 '11; Jy. 9 '10; 15.
- ludoviciana** (Nutt.) DC. Yellow Western Lettuce.
 River banks and wet places. Rare.
- pulchella** (Pursh) DC. Common Blue Lettuce.
 Moist meadows. Frequent. Aweme, Rossburn, Sturgeon Creek, Winnipeg.
 (7) Jy. 4; Je. 22 '10; Jy. 12 '07; 20.

- Scariola** L. Compass-weed Lettuce.
Cultivated and waste land. Frequent in settled areas.
- spicata** (Lam.) Hitchc. Tall Blue Lettuce.
Moist ground. Occasional. Victoria Beach, Winnipeg.
- virosa** L. Prickly Lettuce.
Fields and waste land. Occasional. Near towns.
- Lapsana communis** L. Nipplewort.
Waste places. A recent weed in gardens. Winnipeg.
- Lydogesmia juncea** (Pursh) D. Don. Skeleton Wood, Poverty Weed.
Dry and sandy prairie, hills. Frequent. Aweme, Brandon and the south-west.
(4) Jy. 8; Je. 30 '11; Jy. 19 '06; 18.
- rostrata** A. Gray. Annual Skeleton Weed.
Sandy plains. Rare. Western area, Notre Dame de Lourdes.
- Nabalus albus** (L.) Hook. White Lettuce
Open woods and around woods. Frequent. Birtle, Giroux, Riding Mt. Nat. Pk., Rossburn, Turtle Mt., Winnipeg.
(9) Aug. 1; Jy. 25 '12; Aug. 9 '07; 34.
- altissimus** (L.) Hook. Tall White Lettuce, Rattlesnake Root.
Woods and hillsides. Occasional. St. Norbert.
(8) Aug. 3; Jy. 28 '06; Aug. 12 '13; 26.
- racemosus** (Michx.) DC. Glaucous White Lettuce.
Moist ground. Frequent. Ste. Anne, Riding Mt. Nat. Pk., Willow Range, Winnipeg.
- Sonchus arvensis** L. Perennial Sow Thistle.
Fields, roadsides, etc. Abundant. Persistent weed in all settled parts of Manitoba.
- asper** (L.) All. Spiny Sow Thistle.
Fields and waste ground. Occasional. Bowsman R., Winnipeg.
- oleraceus** L. Annual Sow Thistle.
Fields, and waste land. Frequent. Settled areas.
- uliginosus** Bieb. Glabrous Sow Thistle.
Fields. Rare. Southern border.
- Taraxacum dumetorum** (Greene) Rydb. Native Dandelion.
Hillsides and valleys. Rare. Riding Mt. Nat. Pk.
- erythrospermum** Andrz. Red-seeded Dandelion.
Roadsides and around dwellings. Frequent. Settled areas.
(14) My. 2; Ap. 29 '10; My. 25 '07; 12.
- officinale** Weber. Common Dandelion.
Gardens, lawns, etc. Abundant in all settled areas.
(8) My. 19; My. 11 '10; Je. 7 '07; —.

Tragopogon dubius Scop.

Yellow Goatsbeard.

Reported from Lyleton, 1938. Probably an escape from cultivation.

—**porrifolius** L.

Blue Salsify, Oyster Plant.

Fields and waste ground. An escape from cultivation in a number of places.

—**pratensis** L.

Yellow Salsify.

Fields, meadows, etc. Common. Throughout southern Manitoba.

Plants Which May Be Expected In Manitoba

Plants already recorded as occurring in territory close to Manitoba and reasonably may be expected to occur within the Province but so far have not been recorded here.

Juncaceae

Juncus confusus Colville. Sask.

Alliaceae

Allium recurvatum Rydb. Sask., S.D.

Cyperaceae

Luzula spicata DC. Sask., Ont.

Orchidaceae

Pogonia ophioglossoides (L.) Ker. Ont., Minn., S.D.

Salicaceae

Salix argyrocarpa Anders. N.W.T.

—*exigua* Nutt. Sask., Minn.

—*gracilis* Anders. Sask., Minn.

—*perrostrata* Rydb. Hudson B.

Caryophyllaceae

—*Stellaria alpestris* Fries. Ont., Sask., N.W.T.

—*stricta* Richards. W. Ont.

Silene acaulis L. N.W.T.

Nymphaeaceae

Nuphar variegatum Engelm. Cold lakes of the north.

Ranunculaceae

Ranunculus micranthus Nutt. Ont., Sask.

Brassicaceae

Draba cana Rydb. W. Ont., Alta.

Roripa sylvestris (L.) Besser. Ont., N.D.

—*sinuata* (Nutt.) Hitchc. Sask., Minn.

Sophia brachycarpa (Richards.) Rydb. Ont., Sask.

Parnassiaceae

Parnassia parviflora DC. Ont., Sask.

Rosaceae

Potentilla atrovirens Rydb. Sask., Minn.

—*Nuttallii* Lehm. Sask., Minn.

Rosa arkansana Porter Minn.

—*Bourgeauiana* Crep. Ont.

—*subglauca* Rydb. Sask.

Rubus subarcticus (Greene) Rydb. Minn.

Spiraea latifolia (Ait.) Borkh. Sask.

Fabaceae	
<i>Homalobus stipitatus</i> Rydb.	Sask., Minn.
Aceraceae	
<i>Acer saccharinum</i> L.	W. Ont., N.D.
Onagraceae	
<i>Epilobium alpinum</i> L.	S.D. to Arctic coast.
— <i>americanum</i> Haussk.	Ont., Sask.
Vacciniaceae	
<i>Vaccinium ovalifolium</i> Smith.	Eastern Canada to Alaska.
Gentianaceae	
<i>Anthopogon Macounii</i> (Holm) Rydb.	W. Ont., Sask.
Lamiaceae	
<i>Stachys borealis</i> Rydb.	Minn. to Mackenzie.
Scrophulariaceae	
<i>Euphrasia disjuncta</i> Fern. & Wieg.	N.D., Sask.
— <i>hudsoniana</i> Fern. & Wieg.	Hudson Bay, Sask.
Plantaginaceae	
<i>Plantago aristata</i> Michx.	Sask.
— <i>Purshii</i> R. & S.	Ont., Sask.
Rubiaceae	
<i>Galium Aparine</i> L.	N.B. to B.C.
— <i>labradoricum</i> Wieg.	Sask., Minn.
— <i>Vaillantii</i> DC.	Ont., Sask.
Carduaceae	
<i>Antennaria chelonica</i> Lunell.	Turtle Mt., N.D.
— <i>occidentalis</i> Greene.	Minn., Man.
— <i>pulcherrima</i> (Hook.) Greene.	James Bay, Ont., Sask.
<i>Arnica arnoglossa</i> Greene.	N.B. to Alta.
<i>Artemisia cana</i> Pursh.	Minn., Sask.
— <i>Forwoodii</i> S. Wats.	Ont., Sask.
— <i>pabularis</i> Rydb.	Minn., Sask.
<i>Aster longifolius</i> Lam.	Minn., Sask.
— <i>major</i> (Hook.) Porter.	W. Ont. to Alaska.
— <i>Wilsonii</i> Rydb.	W. Ont. to Mackenzie.
<i>Chrysopsis angustifolia</i> Rydb.	Minn. to Alta.
— <i>hirsutissima</i> Greene.	Sask., Minn.
<i>Erigeron compositus</i> Pursh.	Sask.
<i>Gnaphalium Macounii</i> Greene.	N.S. to B.C.
<i>Helianthus subtuberosus</i> Bourgeau.	Minn., Sask.
<i>Senecio columbianus</i> Greene.	Minn., Sask.
— <i>pauciflora</i> Pursh.	Ont., Sask.
<i>Solidago pallida</i> (Porter) Rydb.	Sask., Minn.

Mosses and Liverworts of Manitoba

Up to the present time very little attention has been paid to the mosses and related plants found within the confines of this Province. Careful observation reveals the fact that these interesting little plants are widely distributed here. They can be found on the bark of many trees, on rocks, wet wood, in moist meadows, in streams and lakes, on mud banks, and one species at least (*Polytrichum juniperinum*), can be found on the dry sandy prairie.

In order to stimulate interest in this section of our natural vegetation a list is given here of some of the mosses and liverworts known to be present. Most of them have been collected in the eastern area and south of the Winnipeg River, a number have also been collected by W. E. D. Halliday in the Riding Mountain National Park, and a few were collected in the earlier days by John Macoun.

HEPATICEAE. Liverworts.

Arnellia fennica (Gray) Lindb.	Eastern area.
Conocephalum conicum (L.) Dumort.	Eastern area.
Jungermannia lycopodioides Wallr.	L. Winnipegosis.
Lophozia barbata (Schmid.) Dumort.	Eastern area.
— moschica (Nees) Steph.	Riding Mt. Nat. Pk.
Marchantia polymorpha L.	Eastern area.
Pellia epiphylla (L.) Corda.	Eastern area.
Porella platyphylla (L.) Lindb.	Eastern area.
Ptilidium ciliare (L.) Nees.	Riding Mt. Nat. Pk.
Reboulidia hemisphaerica (L.) Radd.	Hudson Bay.
Ricciella fluitans (L.) Braun.	Eastern area.
Ricciocarpus natans (L.) Cord.	Eastern area.
Scapania glaucophylla (Tayl.) Pear.	L. Manitoba.

MUSCI. True Mosses.

Amblystegium riparium (L.) B. & S.	Eastern area.
Aulacomnium palustre (L.) Schwaegr.	Eastern area & Riding Mt. Nat. Pk.
Bartramia pomiformis (L.) Hedw.	Eastern area.
Brachythecium salebrosum (Hoffm.) B & S.	Eastern area & R. Mt. N. Pk.
Bryum argenteum L.	Eastern area.
— bimum Schreb.	Eastern area.
— caespitium L.	Eastern area & R. Mt. N. Pk.
— Duvalii Voit.	Eastern area.

— pendulum (Hornsch.) Schimp.	Riding Mt. Nat. Pk.
Calliergon Schreberi (Willd.) Schimp.	Riding Mt. Nat. Pk.
— stramineum (Dicks.) Kindb.	Riding Mt. Nat. Pk.
Camptothecium nitens (Schreb.) Schimp.	Riding Mt. Nat. Pk.
Campylium hispidulum (Brid.) Mitt.	Riding Mt. Nat. Pk.
Ceratodon purpureus (L.) Brid.	Eastern area.
Climacium dendroides (L.) Web. & Mohr.	Eastern area.
Dicranum Bergeri Bland.	Riding Mt. Nat. Pk.
— Bonjeanii De Not.	Eastern area.
— rugosum (Hoffm.) Brid.	Riding Mt. Nat. Pk.
— scoparium (L.) Herw.	Eastern area.
Drepanocladus uncinatus (Hedw.) Wamst.	Riding Mt. Nat. Pk.
Eurhynchium strigosus (Hoffm.) B. & S.	Eastern area & R. Mt. N. Pk.
Fontinalis antipyretica L.	Eastern area and Virden.
Funaria hygrometrica (L.) Sibth.	Eastern area.
Georgia proliferum (L.) Lindb.	Riding Mt. Nat. Pk.
Haplocladium microphyllum (Sw.) Broth.	Eastern area.
Hylocomium proliferum (L.) Lindb.	Eastern area & R. Mt. N. Pk.
— triquetrum (L.) B. & S.	Riding Mt. Nat. Pk.
Hypnum Crista-castrensis L.	Eastern area & R. Mt. N. Pk.
— reptile Mx.	Riding Mt. Nat. Pk.
Leskea gracilescens Hedw.	Eastern area.
Leucobryum glaucum (L.) Schimp.	Eastern area.
Mnium affine Bland.	Riding Mt. Nat. Pk.
— cuspidatum (L.) Leyss.	Eastern area & R. Mt. N. Pk.
— Drummondii B. & S.	Eastern area.
Oncophorus Wahlenbergii Brid.	Riding Mt. Nat. Pk.
Plagiothecium striatellum (Brid.) Lindb.	Riding Mt. Nat. Pk.
— sylvaticum (Huds.) B. & S.	Riding Mt. Nat. Pk.
Pohlia nutans (Schreb.) Lindb.	Eastern area & R. Mt. N. Pk.
Polytrichum commune L.	Eastern area.
— juniperinum Willd.	Eastern area & R. Mt. N. Pk.
Pseudoleskea atrovirens (Dicks.) B. & S.	Riding Mt. Nat. Pk.
Pylaisia polyantha (Schreb.) B. & S.	Eastern area & R. Mt. N. Pk.
Rhodobryum roseum (Weis.) Limpr.	Eastern area.
Sphagnum fuscum (Schimp.) Kliggr.	Riding Mt. Nat. Pk.
— mazellonicum Brid.	Eastern area & R. Mt. N. Pk.
— tenellum Pres.	Eastern area.
Thuidium abietinum (L.) B. & S.	Eastern area.
— delicatulum (L.) Mitt.	Riding Mt. Nat. Pk.
— scitum (Beauv.) Aust.	Eastern area.

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